

TWI LABORATORY ANALYSIS REPORT

PROCESS CODE BLL PROFILE # CI 5789

- () PCB ANALYSIS REQUIRED
- () LAB: RUN METALS AS SPECIFIED BELOW
- ☒ DIOXIN PRECURSOR ANALYSIS REQUIRED
- () VISUAL INSPECTION ONLY 5% 100%
- () VISUAL INSPECTION: GLOVE BOX/HOODED FEEDER
- () INSPECT OUTER DRUM ONLY - DO NOT OPEN - CMTS BELOW
- () RECEIVING: VERIFY ORIGINAL CONSUMER LABEL AND
WRITE LABEL INFO ON PDW
- () DECANT SAMPLE REQUIRED
- ☒ SAMPLE REQUIRED

RECEIVER #: _____

MANIFEST#:

No. DRUMS: _____

DATE: _____

SAMPLER SIGN. _____

AS 206

Be 200

Cd 6470

Cr 200

Hg ⁰

РБ 200

Ash 198

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class 6.1

P=PASS F=FAIL

8A _____ 8B _____ 4/5 _____

| SAMPLE NUMBER | | Hg <u>0</u> | 8A _____ | 8B _____ | 4/S _____ |
|----------------------|--------------------------------------|----------------|---------------------|--------------------|-----------|
| Drum No. | | Pb <u>200</u> | | | |
| Free Liquid (%) | | Ash <u>198</u> | | | |
| Pumpable | YES NO | | PROFILE | CONFORMS YES NO | DATE INIT |
| Layers/Phases -% Ea. | 1 _____ % | 2 _____ % | 3 _____ % | | |
| Color | | | | | |
| Turbidity | N/A TnsP TnsL Opq | N/A TP TL O | N/A TP TL O | | |
| Viscosity | N/A L M H | N/A L M H | N/A L M H | (1) M H N/A | |
| Physical State | Liq Solid Sludge Semi-sld | Liq Sol Slg Ss | Liq Sol Slg Ss | | |
| Water Miscibility | Misc Part Floats Sinks Emuls | M F P F S E | M F P F S E | | |
| Add Description: | | | | | |
| Water Reactivity | () NO-RXN () RXN: | | | | |
| Radiation Screen | () =BKG () >BKG: | | =BKG | | |
| Flam. Pot. Screen | () Neg () Pos : () BOC | | Sec Flashpoint | | |
| pH Screen | () 100% () 10% | | <2 2-12.5 (>12) | | |
| Oxidizer Screen | () Neg () Pos | | | | |
| Paint Filter Test | () Pass () Fail () V-Fail () N/A | | | | |
| Cyanide Screen | () Neg () Pos () N/A | | | | |
| Sulfide Screen | () Neg () Pos () N/A | | | | |
| Incidental odor | () No () Yes: | | | | |
| Specific Gravity | | | ~1 | | |
| BTU/LB | | | <3600 | | |
| % Chloride | | | <5 | | |
| Flash Point deg. F | | | <73 <140 (>140) N/A | | |
| PCBs By GC mg/kg | | | <50ppm | | |
| PCBs Screen ppm | | | <50ppm | | |
| 2,4,5-T/Silvex ppm | | | | | |
| PCP Screen ppm | () KIT () GC | | | | |
| pH by Meter | () 100% () 10% | | | | |

☐ PCB waived. Does not meet PCB suspect criteria.

ACCEPT / REJECT:

Analytical Comments: () Reference Tracking# / Sample#

(X) Dioxin Precursor analysis results below site action levels (X) No additional analysis required () Run on each load

() Analysis supplied by generator - See Tech. Manager File. () PCB analysis to be determined upon visual inspection of waste

Add. Comments

PROFILE REVIEW FOR APPENDIX WAP-C CONSTITUENTS BY:

DATE: 12/28/09

PROFILE & HANDLING COMMENTS:

PROFILE & HANDLING COMMENTS: () Water Reactive - avoid contact with moisture

☒ Contains Cyanides - DO NOT mix with pH < 6 () Benzene NESHAP controls required: () Cert. () No Cert.

() Poison Inhalation Hazard () Reactive Category: A B C D E Add Comments:

pH may be ≤ 7 . ALKALINITY VARIES

This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

FPFM998.XLS KS

Veolia ES Technical Solutions L.L.C.

WASTESTREAM INFORMATION PROFILE

Disposal Code

☐ Recertification

Veolia ES Location TRADE WASTE INCINERATION, INC. SAUGET IL 001 911
 Invoice Address OFFICE CITY ST

Veolia ES ISDF requested _____ Technology requested _____ Generator No. 546221 Generator EPA ID No. WAD020257945

1. Generator Name BURLINGTON ENVIRONMENTAL INC. Generator State No. _____

Address 1701 ALEXANDER AVE. State Wastestream No. _____

City TACOMA State WA Country US ZIP 98421 4106

NAICS (SIC) Code 4953 Source G09 Origin 1 Form W219 System Type _____

2. Waste Name CYANIDE MIXTURE SOLUTION Lab or Waste Area _____

3. Process Generating Waste

CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

4. Shipping Name WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC. P.D.S. _____

Hazard Class 6.1 UN/NA No. UN2927 PC I Sub Haz (8)

RQ amt 1 lb Waste: Y PIH: N TR: X DWH: N P: N

RQ Des: 1. D004 2. _____

DOT Des: 1. INORGANIC CYANIDES, SODIUM HYDROXIDE 2. _____

5. Waste Codes D002 D003 D004 D005 D006 D007 D008 D010 D011 D014 F001 F002 F003 F004 F005

F006 F007 F008 F009 F011 F012 F019 F032 F034 F035 P093 P106 U051 U240 U279

Wastewater _____ Non Wastewater X Sub Category D003-RC, D006-NA, D008-NA, F003-NA, F005-NA, U240-DE Mix: N Sol: N

6. Physical and Chemical properties:

| pH | Specific Gravity | Flash Point (F) | Solids |
|----------------------|----------------------|-------------------------------|---|
| a <u>< 2</u> | a <u>< .9</u> | a <u>< 80</u> | 0 - 0% suspended 0 - 0% ash |
| b <u>2 - 5</u> | b <u>.8 - 1.0</u> | b <u>80 - 100</u> | 0 - 0% settleable 0 - 0% water solubility |
| c <u>5 - 9</u> | c <u>1.0</u> | c <u>100 - 140</u> | 0 - 0% dissolved 1 - 2000 BTU/lb |
| d <u>9 - 12.5</u> | d <u>1.0 - 1.2</u> | d <u>140 - 200</u> | |
| e <u>X > 12.5</u> | e <u>> 1.2</u> | e <u>X > 200</u> | Free Liquid <u>95 - 100 %</u> |
| _____ exact | _____ .8 - 1.4 exact | f <u>no flash</u> _____ exact | VOC <u>0 - 0 %</u> |

Physical State

Hazardous Characteristics

Odor

| | | | |
|-----------------------------------|---------------------------|---------------------------------------|----------------|
| e <u>solid</u> | a <u>air reactive</u> | x <u>radioactive or NRC regulated</u> | a none |
| m <u>semi-solid</u> | w <u>water reactive</u> | s <u>shock sensitive</u> | b mild |
| l <u>X liquid</u> | c <u>cyanide reactive</u> | t <u>temp sensitive</u> | c strong |
| p <u>pumpable semi-solid</u> | f <u>sulfide reactive</u> | m <u>polymerization/monomer</u> | describe _____ |
| f <u>flowable powder</u> | e <u>explosive</u> | n <u>OSHA carcinogen</u> | |
| g <u>gas</u> | o <u>oxidizing acid</u> | i <u>infectious</u> | |
| a <u>aerosol</u> | p <u>peroxide former</u> | h <u>inhalation hazard</u> | |
| x <u>pressurized liquid</u> | | Zone: _____ | |
| d <u>debris per 40 CFR 268.45</u> | | | |
| h <u>sharp</u> | | | |
| q <u>pumpable liquid</u> | | | |

Halogens

Br 0 - 0 % Bromine
 Cl 0 - 0 % Chlorine
 F 0 - 0 % Fluorine
 I 0 - 0 % Iodine

Layers: a multilayered b bi-layered c X single phase

| | Top Layer | Second Layer | Bottom Layer | Color |
|-----------|----------------------|---------------------|---------------------|------------|
| Viscosity | <u>high (syrup)</u> | <u>high (syrup)</u> | <u>high (syrup)</u> | <u>VAR</u> |
| by | <u>medium (oil)</u> | <u>medium (oil)</u> | <u>medium (oil)</u> | <u>BRN</u> |
| Layer: | <u>X low (water)</u> | <u>low (water)</u> | <u>low (water)</u> | |
| | <u>solid</u> | <u>solid</u> | <u>solid</u> | |

JAN/15/2010/FRI 12:28 PM

P. 002

Veolia ES Technical Solutions L.L.C.

WASTESTREAM INFORMATION PROFILE

Used oil y/n ☐ HOC < 1000 ppm ☐ HOC > 1000 ppm ☐Chemical Composition [M=Marine Pollutant, S=Severe Marine Pollutant, O=Ozone Depleting Substance,
U=Underlying Hazardous Constituent, B=Benzene NESHA, T=TRI Chemical, C=OSHA Carcinogen]

| Constituents | Ranges | Units |
|--|--------|---------|
| T,U, ARSENIC | .00 | 15.00 # |
| T,U, BARIUM (ELEMENT) | .00 | 15.00 # |
| T,U, CHROMIUM | .00 | 15.00 # |
| T,U, LEAD | .00 | 15.00 # |
| PHENYLTHIOUREA | .00 | 1.00 # |
| SODIUM | .00 | 15.00 # |
| S.T.U, CADMIUM (METAL) | .00 | 15.00 # |
| WATER | 50.00 | 99.00 # |
| T,U, SILVER | .00 | 15.00 # |
| CYANIDE | .10 | 10.00 # |
| FLUORIDE | .00 | .10 # |
| ZINC (ALL METALS LISTED IE ARSENIC, BARIUM, ETC) ARE PRESENT AS CATIONIC SPECIES. | .00 | 15.00 # |

Other:

8. Is the wastestream being imported into the USA? Yes ☐ No ☒
9. Does the wastestream contain PCBs regulated by 40CFR? Yes ☐ No ☒
PCB Concentration .00 ppm
10. Is the wastestream subject to the Marine Pollutant Regulations? Yes ☐ No ☒
11. Is the wastestream from an industry regulated under Benzene NESHA? Yes ☐ No ☒
If yes:
Is the wastestream subject to Notification/Control Requirements? Yes ☐ No ☒
Benzene Concentration .00 ppm
Does it contain >= 10% water? Yes ☐ No ☒
What is the TAB at your facility? .00 Mg/Yr
12. Is the wastestream subject to RCRA subpart CC controls? Yes ☐ No ☒
Volatile Organic Concentration .00 ppmw
CC Approved Analytical Method? Yes ☐ No ☒
Generator Knowledge? Yes ☐ No ☒
13. Is the wastestream from a CERCLA or state mandated cleanup? Yes ☐ No ☒

14. Container Information :

Packaging: TANKER Type/Size: 11 TANKER TRUCK
Type/Size: Shipping Frequency: Units 5000.00 Per Day ☐ Per Week ☒ Per Month ☐ Per Qtr ☐ Per Year ☐ One Time ☐
UOM GALLONS DESCRIPTION:

15. Additional Information :

JAN/15/2010/FRI 12:28 PM

P. 003

Veolia ES Technical Solutions L.L.C.

WASTESTREAM INFORMATION PROFILE

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

| | | |
|----------------------|-------------------------|------------------|
| <u>Nick De Leon</u> | <u>253-627-7569</u> | <u>1/15/2010</u> |
| Name (Print or Type) | Phone | Date |
| <u>[Signature]</u> | <u>Location Manager</u> | |
| Signature on File | Title | |
| Signature | | |

If approved for management, Veolia ES has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

Appendix L

Date 1/25/05
Time 10:43:05

WAR

Page . . . : 1
Program . . : R7004RPT
User . . . : WM0911KEM

Report: 7004

Version: 4A.00

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This Report is intended for the use and benefit of Waste Management and its companies. No representation concerning significance of the reported data is made to any other person or entity.

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Tracking Number : 4531060 Profile : CI5789
Site Name . . . : MIDWEST REGIONAL LAB Generator Name . : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 12/30/98
Priority Code . : PA Approved : Y 1/06/99

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FINGERPRINT

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|----------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| INCIDENTAL ODOR | | 01 | none | | 12/31/98 | SXR |
| LAYERS | | 01 | | | 12/31/98 | SXR |
| PERCENT FREE LIQUIDS | | 01 | 100 | % | 12/31/98 | SXR |
| COLOR | | 01 | brown | | 12/31/98 | SXR |
| PHYSICAL STATE | | 01 | liquid | | 12/31/98 | SXR |
| WATER SOLUBILITY | | 01 | soluble | | 12/31/98 | SXR |
| TURBIDITY | | 01 | opaque | | 12/31/98 | SXR |
| VISCOSITY | | 01 | low | | 12/31/98 | SXR |
| CYANIDE SCREEN | | 01 | positive | | 12/31/98 | SXR |
| OXIDIZER SCREEN | | 01 | negative | | 12/31/98 | SXR |
| FLAM. POTENTIAL | | 01 | negative | | 12/31/98 | SXR |
| SULFIDE SCREEN | | 01 | negative | | 12/31/98 | SXR |
| PAINT FILTER TEST | | 01 | failed | | 12/31/98 | SXR |
| RADIATION SCREEN | | 01 | background | | 12/31/98 | SXR |
| pH BY PAPER | | 01 | | Std Unit | 12/31/98 | SXR |
| WATER REACTIVITY | | 01 | no reaction | | 12/31/98 | SXR |

SPECTROSCOPY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|-------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| SILVER - TOTAL | | 01 | 37.9 | PPM | 1/05/99 | REC |
| ARSENIC - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| BARIUM - TOTAL | | 01 | 774 | PPM | 1/05/99 | REC |
| BERYLLIUM - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| CADMIUM - TOTAL | | 01 | 6470 | PPM | 1/05/99 | REC |
| CHROMIUM - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| MERCURY - TOTAL | | 01 | 6.98 | PPM | 1/05/99 | REC |
| POTASSIUM - TOTAL | | 01 | 3200 | PPM | 1/05/99 | REC |
| SODIUM - TOTAL | | 01 | 50500 | PPM | 1/05/99 | REC |
| NICKEL - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| LEAD - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| ANTIMONY - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| THALLIUM - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |
| VANADIUM - TOTAL | | 01 | < 200 | PPM | 1/05/99 | REC |

Appendix L

Date 1/25/05
Time 10:43:05

WAR

Page . . : 2
Program . : R7004RPT
User . . : WM0911KEM

Report: 7004

Version: 4A.00

Tracking Number : 4531060 Profile : CI5789
Site Name . . . : MIDWEST REGIONAL LAB Generator Name . : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 12/30/98
Priority Code . : PA Approved : Y 1/06/99

WET CHEMISTRY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|--------------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| HEATING VALUE | | 01 | < 450 | BTU/LB | 12/31/98 | SXR |
| SPECIFIC GRAVITY | DS057-90 | 01 | 1.1138 | GM/ML | 12/31/98 | SXR |
| SULFUR, AS S (TOTAL) | CWM 92-40 | 01 | < 0.1 | % | 12/31/98 | SXR |
| ASH CONTENT, ON IGNITION | CWM 92-69 | 01 | 9.38 | % | 12/31/98 | SXR |
| TOTAL ORGANIC CONTENT | | 01 | 7.22 | % | 12/31/98 | SXR |
| BROMINE | | 01 | < 0.1 | % | 12/31/98 | SXR |
| pH BY METER | | 01 | 12.8 | Std Unit | 12/31/98 | SXR |
| FLUORINE | | 01 | 0.32 | % | 12/31/98 | SXR |
| CHLORINE | | 01 | 2.03 | % | 12/31/98 | SXR |
| SCRUB ACIDITY | | 01 | 0.03 | gNaO/gSx | 12/31/98 | SXR |
| WATER CONTENT | ASTM E203 | 01 | 83.4 | % | 12/31/98 | SXR |

Comments:

RT#542722 - RECERT - Bulk liquid.

CERTIFICATION: The analytical results in this report are intended solely to assist the client named herein in characterizing waste materials. Any other use is at the user's risk and Chemical Waste Management, Inc. shall assume no liability beyond the stated purpose of the data herein contained. The 'stated purpose' may include waste approval determination and/or the analysis of an unknown material.

Approval: _____

Lab Managers Name: _____

Appendix L

Date 1/25/05
Time 10:43:00

WAR

Page . . : 1
Program . : R7004RPT
User . . : WM0911KEM

Report: 7004

Version: 4A.00

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Tracking Number : 4510529 Profile : CI5789
Site Name . . . : MIDWEST REGIONAL LAB Generator Name . : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 1/19/98
Priority Code . : Approved : Y 1/22/98

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FINGERPRINT

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|----------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| INCIDENTAL ODOR | | 01 | none | | 1/21/98 | OAI |
| LAYERS | | 01 | | | 1/21/98 | OAI |
| PERCENT FREE LIQUIDS | | 01 | 100 | % | 1/21/98 | OAI |
| COLOR | | 01 | brown | | 1/21/98 | OAI |
| PHYSICAL STATE | | 01 | liquid | | 1/21/98 | OAI |
| WATER SOLUBILITY | | 01 | soluble | | 1/21/98 | OAI |
| TURBIDITY | | 01 | translucent | | 1/21/98 | OAI |
| VISCOSITY | | 01 | low | | 1/21/98 | OAI |
| CYANIDE SCREEN | | 01 | positive | | 1/21/98 | OAI |
| OXIDIZER SCREEN | | 01 | negative | | 1/21/98 | OAI |
| FLAM. POTENTIAL | | 01 | negative | | 1/21/98 | OAI |
| SULFIDE SCREEN | | 01 | negative | | 1/21/98 | OAI |
| RADIATION SCREEN | | 01 | background | | 1/21/98 | OAI |
| DENSITY | | 01 | 1.1358 | | 1/21/98 | REC |
| pH BY PAPER | | 01 | 13 | Std Unit | 1/21/98 | OAI |
| WATER REACTIVITY | | 01 | negative | | 1/21/98 | OAI |

PCBS

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| AROCLOR 1016 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1221 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1232 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1242 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1248 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1254 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1260 | PCBS | 01 | < 5.2 | PPM | 1/21/98 | RXD |

SPECTROSCOPY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| SILVER - TOTAL | | 01 | < 20 | PPM | 1/22/98 | RJK |

ARSENIC - TOTAL
BARIUM - TOTAL
BERYLLIUM - TOTAL

01 <
01 <
01 <

200
200
200

Appendix L

PPM
PPM
PPM

1/22/98
1/22/98
1/22/98

RJK
RJK
RJK

Appendix L

Date 1/25/05
Time 10:43:00

WAR

Page . . : 2
Program . : R7004RPT
User . . : WM0911KEM

Report: 7004

Version: 4A.00

Tracking Number : 4510529 Profile . . . : CI5789
Site Name . . : MIDWEST REGIONAL LAB Generator Name : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received : 1/19/98
Priority Code : Approved . . . : Y 1/22/98

SPECTROSCOPY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|-------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| CADMIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| CHROMIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| MERCURY - TOTAL | | 01 < | 0.100 | PPM | 1/22/98 | RJK |
| POTASSIUM - TOTAL | | 01 < | 2000 | PPM | 1/22/98 | RJK |
| SODIUM - TOTAL | | 01 < | 57800 | PPM | 1/22/98 | RJK |
| NICKEL - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| LEAD - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| ANTIMONY - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| THALLIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| VANADIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |

WET CHEMISTRY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|--------------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| HEATING VALUE | | 01 < | 450 | BTU/LB | 1/21/98 | REC |
| SULFUR, AS S (TOTAL) | CWM 92-40 | 01 < | 0.1 | % | 1/21/98 | REC |
| ASH CONTENT, ON IGNITION | CWM 92-69 | 01 | 11.2 | % | 1/21/98 | REC |
| TOTAL ORGANIC CONTENT | | 01 | 29 | % | 1/21/98 | REC |
| BROMINE | | 01 < | 0.1 | % | 1/21/98 | REC |
| FLUORINE | | 01 < | 0.1 | % | 1/21/98 | REC |
| CHLORINE | | 01 | 0.874 | % | 1/21/98 | REC |
| SCRUB ACIDITY | | 01 | 0.001 | gNaO/gSx | 1/21/98 | REC |
| WATER CONTENT | ASTM E203 | 01 | 60.4 | % | 1/21/98 | REC |

Comments:

RETURN COMPLETED ANALYSIS TO PTA APPROVALS DEPT.
FLASH POINT NEEDS TO BE RAN FOR TWI APPROVALS.

CERTIFICATION: The analytical results in this report are intended solely to assist the client named herein in characterizing waste materials. Any other use is at the user's risk and Chemical Waste Management, Inc. shall assume no liability beyond the stated purpose of the data herein contained. The 'stated purpose' may include waste approval determination and/or the analysis of an unknown material.

Approval: _____

Lab Managers Name: _____

Appendix L

Date 1/25/05
Time 10:43:08

WAR

Page . . . : 1
Program . . : R7004RPT
User . . . : WM0911KEM

Report: 7004

Version: 4A.00

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Tracking Number : 4582415 Profile : CI5789
Site Name . . . : MIDWEST REGIONAL LAB Generator Name . : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 11/04/02
Priority Code . : 97 Approved : N

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FINGERPRINT

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|----------------------|----------------|-----|------------------|------------|---------------|----------|
| LAYERS | | 01 | 3 | | 8/08/00 | DAG |
| PERCENT FREE LIQUIDS | | 01 | 99 | % | 8/08/00 | DAG |
| WATER SOLUBILITY | | 01 | TOP INSOL FLOATS | | 8/08/00 | DAG |
| VISCOSITY | | 01 | LOW/LOW/NA | | 8/08/00 | DAG |
| CYANIDE SCREEN | | 01 | NEG | | 8/08/00 | DAG |
| OXIDIZER SCREEN | | 01 | NEG | | 8/08/00 | DAG |
| SULFIDE SCREEN | | 01 | NEG | | 8/08/00 | DAG |
| RADIATION SCREEN | | 01 | BACKGROUND | | 8/08/00 | DAG |
| pH BY PAPER | | 01 | 9 | Std Unit | 8/08/00 | DAG |

PCBS

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|------------------|----------------|------|-------------|------------|---------------|----------|
| PCB's | | 01 < | 5 | MG/KG | 8/08/00 | DAG |

WET CHEMISTRY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|--------------------------|----------------|------|-------------|------------|---------------|----------|
| HEATING VALUE | | 01 | 680 | BTU/LB | 8/08/00 | DAG |
| CHLORINE | | 01 < | 5 | % | 8/08/00 | DAG |
| FLASH POINT - CLOSED CUP | | 01 | 147 | DEG F | 8/08/00 | DAG |

Comments:

WATER SOLUBILITY=MIDDLE SOL,BOTTOM PART SINK
SILVEX <65 PPM
2,4,5-T <65 PPM
PCP <100 PPM
WAR copied from tracking# 4553323, profile# BY4013

Appendix L

Date 1/25/05
Time 10:43:08

WAR

Page . . : 2
Program . : R7004RPT
User . . : WM0911KEM

Report: 7004

Version: 4A.00

```
=====
Tracking Number : 4582415      Profile . . . . : CI5789
Site Name . . . : MIDWEST REGIONAL LAB      Generator Name . : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 11/04/02
Priority Code . . : 97          Approved . . . . : N
=====
```

=====

CERTIFICATION: The analytical results in this report are intended solely to assist the client named herein in characterizing waste materials. Any other use is at the user's risk and Chemical Waste Management, Inc. shall assume no liability beyond the stated purpose of the data herein contained. The 'stated purpose' may include waste approval determination and/or the analysis of an unknown material.

Approval: _____

Lab Managers Name: _____

Appendix K
New Approval/Recert Checklist

SR

Circle all that apply

New

Direct

Schedule

Recert

Intercompany

Comment Key

| | |
|---------------------|-----------------------------------|
| A=Amendment | L=PSC Comments |
| C=CSR Comments | O=Other information |
| D=DOT Properties | P=Process Code |
| E=PPE Requirements | R=Restrictions/Limits/Precautions |
| G=General Comment | S=Special Handling |
| H=Hold related info | |

I-Series

1. CSR

(new, and all directs)

Customer # _____

Generator # _____

2. Check-In

(all directs)

Enter WIP # _____

Initiate activity _____

3. Approvals

(all)

Verify approval (or WIP, if new direct)

Add activity to WIP/create approval (directs)

Comments:

_____ HBU section 28

_____ HBU section 29

_____ Process Code

_____ HBU F22 PSC comments

_____ Temporary Hold Flag Flip

4. Check-Out

(all)

Print approval

5. CSR

(all)

(review comments in HBU and copy to iseries as necessary)

_____ PPE -E

_____ DOT Properties -D

_____ CSR Comments -C

_____ Additional comments if necessary

6. Kathy and Christie

(all)

Pricing on Approval and WIP

HBU

1. CSR

(new, and all directs)

BIF- G# 1034349

BIF- I # _____

2. Check-In

(all new)

Check in (LM03, LM01)

3. Approvals

(all)

_____ HBU recert or approval

_____ Update/enter Waste Tracking info

4. Check-Out

(all)

Print approval

_____ HBU Check-out (new)

5. CSR

(all)

_____ PPE -E

_____ DOT Properties -D

_____ CSR Comments -C

_____ Additional comments if necessary



Technical Solutions
North America

Thursday, April 22, 2010

FILE COPY

BURLINGTON ENVIRONMENTAL INC.

1701 ALEXANDER AVE.
TACOMA, WA 98421

RE: Quote #QA110000209

Dear BURLINGTON ENVIRONMENTAL INC.:

Veolia ES Technical Solutions, LLC is pleased to confirm the approval of your waste material as described below. The attached profile for the waste materials was prepared by Veolia based upon information provided by you. It is important that no changes be made to the profile without Veolia's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste material.

| | |
|--------------------------------------|---|
| <u>Generator:</u> | BURLINGTON ENVIRONMENTAL INC. |
| <u>WIP/Profile Number:</u> | 23926, TWIC15789 |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Services provided:</u> | Disposal |
| <u>Approved Management Facility:</u> | Veolia ES Technical Solutions, Sauget, IL |

Pricing

| | |
|--------------------------------|---|
| <u>Disposal Fee</u> | \$0.23 per pound, \$2000.00 minimum per load applies |
| <u>Transportation</u> | Customer to supply. |
| <u>Demurrage</u> | N/A |
| <u>Illinois Hazardous Fees</u> | \$0.03/gallon |
| <u>Waste Approval Fees</u> | Recert, waived Characterization and Unknowns are priced upon request |
| <u>Energy & Security</u> | Waived |



Technical Solutions North America

Pricing Conditions

Tanker Rinseout and Heel Removal Fees:

- \$536.00 aqueous rinseout fee (no solids) plus cost of solvent used – (Waterblasting not needed)
- \$1071.00 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used – (Waterblasting not needed)
- \$1071.00 minimum tanker entry fee plus \$1.55 per pound disposal for cleanout > 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials (waterblasting required) will be evaluated on a case-by-case basis.

Special Conditions:

- A signed and completed Land Disposal Notification and Certification form must accompany each shipment
- RQ's and waste profile numbers must appear on the manifest and drums.
- DOT approved containers.
- All shipments must be made using a Uniform Manifest.
- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.

Profile Expiration

12-28-2011

Date:

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Payment terms shall be in accordance with the payment terms on our invoice. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by Veolia ES Technical Solutions, L.L.C. upon thirty (30) days prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If you have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material. Veolia ES Technical Solutions, L.L.C. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Sincerely,

Suzie McCreary
CSR/Sales Rep



Technical Solutions
North America

Veolia ES Technical Solutions

Pricing Conditions

Tanker Rinseout and Heel Removal Fees:

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Sincerely,

Suzie McCreary
 CSR/Sales Rep



Technical Solutions
North America

Veolia ES Technical Solutions

PPE CODES FOR PREPARATION SHEET AND PROCESS PLAN GLOVES

- ☐ 61 or 75 PVC, BLACK Gloves
☐ 62 or 76. NITRILE, GREEN, MAPA AR-18 Pioneer
☐ 63 or 77 NEOPRENE, Gloves
☐ 78 PVA, ORANGE, ANSELL EDMONT 15-554
☐ 79. BUTYL RUBBER, BLACK, NORTH B-174, BEST 878
☒ 80 N-DEX, BLUE, NITRILE
☐ 81 4H, SILVER COLOR
☐ 82 VITON, BLACK
☐ 83 NITTY GRITTY, BEST 67NFW-1020
☐ OPEN
 G13-G19
 G-20

FREE FORM

CHEMICAL PROTECTIVE CLOTHING

- ☐ 64 or 86 SARANEX, WHITE, (tyvek with saranex coating)
☐ OPEN
☐ 85 TYVEK, WHITE,
☐ OPEN
☐ 88 CPF3, HOODED, TAN
☐ 89 CPF4, HOODED, DARK GREEN
☐ 90 NOMEX COVERALLS
 KAPPLER CHEM TAPE 2 PSC Comments
 S10-S19
 S20

FREE FORM

RESPIRATORY PROTECTION

- ☐ OC DUST- MIST CARTRIDGE, HEPA
☐ OB ORGANIC/ACID GAS CARTRIDGE
☐ 67 PESTICIDE DUST CARTRIDGE
☐ 70 AMMONIA CARTRIDGE
☐ 71 or 95. FULL FACE RESPIRATOR
☐ OD SUPPLIED AIR, TYPE C RESPIRATOR, CONSTANT FLOW
 R7-R19
 R20

FREE FORM

BOOTS

- ☐ OF PVC YELLOW BOOT COVERS (Lightweight)
☐ OG RUBBER, YELLOW, OVERBOOT HEAVY
☐ OH PVC, OVER-THE -SOCK BOOT, BLACK
 B4-B19
 B20

FREE FORM

___ INHALATION

___ DERMAL

___ INGESTION

LIST OTHER
PPE

COMMENTS:

RETURN FILE TO: _____ MAINTENANCE _____ CONFIRMATION _____ MAS _____

(REVISED 11 June 11, 2002)

3-6-08

PHYSICAL DESCRIPTION WORKSHEET

Receiver # _____

Received Date _____

| DRUM # | SIZE/TYPE | O/P | COLOR/DESCRIPTION | % FULL | % SOLID | % LIQUID |
|--------|-----------|-----|-------------------|--------|---------|----------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
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| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

TECHNICIAN SIGNATURE _____ DATE _____

LOCATION _____ COMMENTS _____

Net Weight _____

Report: R7008
DATE: 12/31/09

ONYX ENVIRONMENTAL SERVICES
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: BURLINGTON ENVIRONMENTAL INC
DEPT.....
ADDRESS 1: 1701 ALEXANDER AVE
ADDRESS 2:
CITY/ST.: TACOMA WA 98421-4106
CONTACT..:

NUMBER.....: 103-4-349
PHONE.....:
EXPIRES.....: 12/28/11
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD020257945
STATE EPA ID..: 9530019999
EPA STATUS.....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|--|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| FLUORIDE | 0 | 0.1 | % |
| NON-TRI CHEMICALS | 0 | 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | | | |
| INERT INORGANIC SALTS | 0 | 15 | % |
| ARSENIC | | | |
| BARIUM | | | |
| CADMIUM | | | |
| LEAD | | | |
| ZINC | | | |
| CHROMIUM | | | |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

METALS TCA OR TOTAL

PHYSICAL CHARACTERISTICS

Physical State....: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN TO VARIES
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity..: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 % TOTAL
Sulfides.....: < 3 PPM TOTAL
PCB's.....: N/A ppm, Regulated by 40 CFR 761:
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes..: T07
CRQ RPT QTY.....: 1 Material Class:
EPA Permit.....: EXP:
Hazard Class.....: 6.1
State Codes.....: 090001
Benzene: NESHAP:
Packing Group....: II
Process Codes....: BLL
Cert of Distrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES N-DEX INNER GLOVE SARANEX
TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

CONTAINS CYANIDES - DO NOT MIX W/PH <6
CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type B119
Form Code 1

COMMENTS

SHIPMENT RECEIVED ON NOV 19 2008 WILL CONTAIN 50% OIL BTU WILL BE >2000, OK TO ACCEPT ONE TIME
PRICING FOR NOV 19, 2008 LOAD IS \$0.24/LB CHARGE CODE: NS
PE UNTIL 12-31-09 wt 2009
REVIEWED FOR MACT METALS drayage price will be \$2,700.00 to cover the
cost of any rinsing of the tankers. If ther is an extensive heal,pricing will based on case-by case +

Report: R7008
DATE: 12/31/09
PROFILE: CI5789

ONYX ENVIRONMENTAL SERVICES
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00
APENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM
COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.
PHENYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report

basis

Date Printed 12/31/09

Veolia ES Technical Solutions, LLC

Appendix L

GENERATOR'S WASTE PROFILE SHEET

Profile #
TWI C15789

() Check here if this is a Recertification LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: BURLINGTON ENVIRONMENTAL INC Generator USEPA ID: WAD020257945

2. Generator Address: 1701 ALEXANDER AVE Billing Address: PHILIP SERVICES CORP
() Same 734 S LUCILE ST

TACOMA WA 98421-4106

3. Technical Contact/Phone: SEATTLE WA 98108-2631

4. Alternate Contact/Phone: Billing
Contact/Phone:

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D005 D006 D007 D008 D010 D011
D014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 See attachment 1 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid() Liquid(X) Both() Gas() B. Single Layer (X) Multilayer () C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable () B. Strong Odor ():describe

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|---|-------------------------|------------------|
| <u>CYANIDE</u> | <u>0.1</u> to <u>10</u> | <u>%</u> |
| <u>WATER</u> | <u>50</u> to <u>99</u> | <u>%</u> |
| <u>FLUORIDE</u> | <u>0</u> to <u>0.1</u> | <u>%</u> |
| <u>NON-TRI CHEMICALS</u> | <u>0</u> to <u>25</u> | <u>%</u> |
| <u>ORGANICS, REGULATED AND NON - REGULATED.</u> | <u>to</u> | |
| <u>INERT INORGANIC SALTS</u> | <u>0</u> to <u>15</u> | <u>%</u> |
| <u>TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):</u> | <u>150.100000</u> | See attach2 |

12. OTHER: PCBs if yes, concentration N _____ ppm. PCBs regulated by 40 CFR 761 () Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. NESHAP () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid () Bulk Liquid (X) Drum () Type/Size: TANK Other _____

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 5643969

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Veolia ES Technical Solutions to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile C15789
NEIC VP0972E01

JOHN S. MAIER
Page 43 of 412

OPERATION MANAGER
Name and Title
Veolia ES Technical Services
Sauget, Illinois

4/10/95
Date

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A or B.1) next to each restriction that is applicable:

___ HOCs. ___ PCBs. ___ Acid. ___ Metals. ___ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|-----------|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable | | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | DESCRIPTION | NONE | 268.41(a) | 268.43(a) | 268.42 | |
| 1 | D002 | Non-CWA, Non-Class 1 managed corrosive char. wastes | | | | DEACT | A |
| 2 | D003 | REACTIVE CYANIDES | | | | | A |
| 3 | D004 | | X | | | | A |
| 4 | D005 | | X | | | | A |
| 5 | D006 | | X | | | | A |
| 6 | D007 | | X | | | | A |
| 7 | D008 | | X | | | | A |
| 8 | D010 | | X | | | | A |
| 9 | D011 | | X | | | | A |
| 10 | D014 | Non CWA | | | | | A |
| 11 | F001 | | X | | | INCIN | A |
| 12 | F002 | | X | | | INCIN | A |
| 13 | F003 | | X | | | INCIN | A |
| 14 | F004 | | X | | | INCIN | A |
| 15 | F005 | | X | | | INCIN | A |
| 16 | F006 | | X | | | | A |
| 17 | F007 | | X | | | | A |
| 18 | F008 | | X | | | | A |
| 19 | F009 | | X | | | | A |
| 20 | F011 | | X | | | | A |
| 21 | F012 | | X | | | | A |
| 22 | F019 | | X | | | | A |
| 23 | F032 | | X | | | | A |
| 24 | F034 | | X | | | | A |
| 25 | F035 | | X | | | | A |
| 26 | P093 | | X | | | INCIN | A |
| 27 | P106 | | X | | | | A |
| 28 | U051 | | X | X | X | | A |
| 29 | U240 | | X | | | | A |
| 30 | U279 | | X | | | | A |

20. USEPA hazardous waste numbers (continued):

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | DESCRIPTION | NONE | 268.41(a) | 268.43(a) | 268.42 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Management under the land disposal restrictions:
A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD

B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes. Soil: ☐ Yes. Debris: ☐

22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each: Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTAL

Cyanides: None to Type (free, total, amenable, etc.)

Sulfides: 3 to PPM Type TOTAL

Optional
Phenolics: 10 to PPM

24. Identify the waste color BROWN TO VARIES, DOT physical state Liquid,
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

| | |
|---|---|
| <p>25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION</p> <p style="text-align: center;">TOTAL</p> <p>Beryllium as Be < 5000 ppm</p> <p>Potassium as K 10000 ppm</p> <p>Sodium as Na 88000 ppm</p> <p>Bromine as Br < 5 %</p> <p>Chlorine as Cl < 5 %</p> <p>Fluorine as F < 5 %</p> <p>Sulfur as S < 5 %</p> | <p>26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)</p> <p style="text-align: center;">RANGE</p> <p>A. Heat Value (Btu/lb): 1- 2000</p> <p>B. Water: _____</p> <p>C. Viscosity (cps): _____ @ _____ F _ 100 F _ 150 F</p> <p>D. Ash: _____ %</p> <p>E. Settleable solids: _____ %</p> <p>F. Vapor Pressure @ STP (mm/Hg): _____</p> <p>G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>H. Can this waste be heated to improve flow? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |
|---|---|

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No ☐

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

and Additional Description if required: (CYANIDE, ARSENIC)

RQ(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: IID. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 LbE. Non-Bulk code 202 Bulk code 243F. Special Provisions T42 _____G. Labels Required POISON OR TOXIC CORROSIVE

28. SPECIAL HANDLING INFORMATION

CONTAINS CYANIDES - DO NOT MIX W/PH <6CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD☐ Material Safety Data Sheets Attached

29. OTHER INFORMATION

GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION. REF RCVR# 27-4748 FOR RECERT ANALYSIS, 6/24/05

REF RCVR# 35-4803 FOR RECERT ANALYSIS, 11/30/09

30. VEOLIA ES TECHNICAL SOLUTIONS CERTIFICATION

Veolia ES Technical Solutions, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l | | | | TCLP Data TCLP Actual | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | |
|-----------------|--|--------------------------|---------------------|--------------|---------------------------------|---|----------|--|--------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | | Actual |
| Arsenic as As | X | 5.0 mg/l | | D004 | | | 500 mg/l | | |
| Barium as Ba | X | 100.0 mg/l | | D005 | | | | | |
| Cadmium as Cd | X | 1.0 mg/l | | D006 | | | 100 mg/l | | |
| Chromium tot Cr | X | 5.0 mg/l | | D007 | | | | | |
| Lead as Pb | X | 5.0 mg/l | | D008 | | | 500 mg/l | | |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | |
| Selenium as Se | X | 1.0 mg/l | | D010 | | | 100 mg/l | | |
| Silver as Ag | X | 5.0 mg/l | | D011 | | | | | |
| Nickel as Ni | | | | | | | 134 mg/l | | |
| Thallium as Tl | | | | | | | 130 mg/l | | |
| Chromium Hex | | | | | | | 500 mg/l | | |
| Antimony | | | | | | | | | |
| Beryllium | | | | | | | | | |
| Copper | | | | | | | | | |
| Vanadium | | | | | | | | | |
| Zinc | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|--|--------------------|---------------------|--------------|---|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor. & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
| | | | | | | |
| | | | | | | |

Date Printed 12/31/09

Appendix L

Profile #
TWI CI5789

ATTACHMENT 1

USEPA WASTE CODE NUMBERS: Additional waste codes NOT included on page 1 of the Waste Profile

F012 F019 F032 F034 F035 P093 P106 U051 U240 U279

ATTACHMENT 2

CHEMICAL COMPOSITION: Additional constituents NOT included on page 1 of the Waste Profile
 Constituents Range Unit Description

| | | |
|---|----------|--|
| ARSENIC | to | |
| BARIUM | to | |
| CADMIUM | to | |
| LEAD | to | |
| ZINC | to | |
| CHROMIUM | to | |
| SILVER | to | |
| SODIUM | to | |
| COMMENTS | to | |
| METALS LISTED UNDER "INERT INORGANIC SALTS" ARE | to | |
| PRESENT AS CATIONIC SPECIES. | to | |
| PHENYLTHIOUREA | 0 to 1 % | |

LHC Constituent Management Method

| | |
|---------------------|---|
| Cyanides (Total) | A |
| Cyanides (Amenable) | A |
| Arsenic | A |
| Cadmium | A |
| Chromium (Total) | A |
| Lead | A |
| Selenium | A |
| Silver | A |

Solvent Constituent Management Method

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
 Master Profile No.: PTA-NC
 Sales Office: PTA
 Location Orig: PTA
 Profile Expires: 12/28/11
 Approved: 12/28/09
 Signed Profile Present: Y Change Pending: N Waste Status: A
 Site (DCS) Status: Z REQ FOR DCS DOWNLOAD
 Prof. Tracking No: 5643969

Fuels Approval: _____
 Pumpable Liquid Exact: ____ % OR Range: ____ - ____ %
 Type of Pump: ____
 Additional Anticipated Vol: _____ Per: ____ Unit Code/Des: _____

Handling Codes: 62 NBR GREEN GLOVES 80 N-DEX INNER GLOVE
 64 SARANEX 0D TYPE C RESPIR CONST FLOW
 0F PVC YELLOW OVR BOOT COVER

EPA Data: Status Code: C Tax Code: ____
 Permit No: _____ Expr. Date: _____ Volume: ____
 Certificate of Destruction or Disposal Required? Y Project #: ____
 DOT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: ____ Health: ____

Percent Taxable: _____ No. of Labels: ____
 Tranship Dest: ____ Download Generator: T034349
 Material Class: ____ DCS Generator #: 5841034349
 Treatment Codes: T07
 Process Codes: BLL
 Schedule Category: TLLB
 Schedule Interval: ____
 Listed Solvent Waste: ____ Hal. Org. Compounds: ____ RCRA Reactive: ____
 Etiologic: ____ Water Reactive: ____ Pesticide Mfg. Waste: ____
 Ignition Screen: ____ Gas Evolution: ____ Wet Zone: ____
 Self-heating cube sz: ____ Vapor Concentration: ____ Boiling Point F: ____
 Is Gas Ignitable? ____ Corrosive to Steel or Aluminum: ____ Organic Peroxide: ____
 Chemical Family Name: _____

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|------------------------------|--------------|------|-------------------|----|------------|--------------------|
| BURLINGTON ENVIRONMENTAL INC | WAD020257945 | G | | | | |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|------------------------------|--------------|------|-------------------|-----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | G | | | | |
| PHILIP SERVICES CORP | WAD000812909 | I | Y | TWI | 12/03/09 | - |
| PHILIP SERVICES CORP | WAD991281767 | I | Y | TWI | 12/03/09 | - |
| BURLINGTON ENVIRONMENTAL INC | WAD020257945 | I | Y | TWI | 12/03/09 | - |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment | Cat | Comment |
|-----|--|-----|--|
| CSR | REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH | CSR | MGR APPROVAL ****F039**** |
| CSR | K/TWI BLL 12-3-09 AFS TWI | CSR | REVIEWED FOR PHASE II LDR |
| CSR | GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT | CSR | F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI |
| CSR | UNTIL FURTHER NOTICE. | CSR | BILL SEATTLE SITE TO KENT WA. PER SALES MARC M. |
| CSR | LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS | CSR | SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 |
| CSR | NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF | CSR | CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A |
| CSR | TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK | CSR | PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND |
| CSR | PETROCHEM | CSR | DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO |
| CSR | THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY | CSR | TO THIS PARTICULAR SHIPMENT \$1000.00 |
| CSR | DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF | CSR | 1021182. SEATTLE WA SHIPMENTS GETS BILLED TO |
| CSR | KENT WA. | CSR | DELIVERY 4-22-02 REQUIRES TRIPLE RINSE |
| CSR | DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED | CSR | RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER |
| CSR | CUSTOMER CARRIE ALLEN. | CSR | pe on file exp 12/31/05 Customer pays blh pricing |
| CSR | due to restraints of sodium contents effect 6-1-01 | CSR | REF RECEIVER # 22-6983 FOR ANALYSIS-RCVD 12/2/02 |
| CSR | USED PTA ANALYSIS FOR MACT METALS | CSR | generator request a water blast cleaning after |
| CSR | tanker is done. See discrepancy. | PSC | SHIPMENT RECEIVED ON NOV 19 2008 WILL CONTAIN |
| PSC | 50% OIL BTU WILL BE >2000. OK TO ACCEPT ONE TIME | PSC | PRICING FOR NOV 19, 2008 LOAD IS \$0.24/LB |
| PSC | CHARGE CODE: NS | PSC | PE UNTIL 12-31-09 |
| PSC | wt 2009 | PSC | REVIEWED FOR MACT METALS |
| PSC | drayage price will be \$2,700.00 to cover the | PSC | cost of any rinsing of the tankers. If ther is an |
| PSC | extensive heal.pricing will based on case-by case | PSC | basis |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|----------------|
| WSTTP | B119 |
| FRMCD | 1 |
| TPCDI | MAIC VP0972E01 |
| TWIAD | Y |

Appendix L

Date Printed 12/31/09

Profile Change History

Profile #
TWI CI5789

This section lists comments describing changes made to the profile.

| Profile Change Comments | Date | User |
|--|----------|-----------|
| MRL/BP3414 Entire profile copied to MRL/CI5789 | 1/19/98 | WM0911TTT |
| / | 1/19/98 | WM0911TTT |
| TWI APPROVAL | 2/04/98 | WM0911TTT |
| MRL/CI5789 Entire profile copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| X | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST | 5/21/98 | WM0911CAT |
| RECEIPT AND LAN BAN | 5/21/98 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| LHB/ Added Cyanokem- Philip location per Mike | 7/30/98 | WM0233LHB |
| Ulendorf of Philip in Renton, WA | 7/30/98 | WM0233LHB |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| PTA RECERT. | 1/26/99 | WM0346RJL |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER | 10/28/99 | WM0911KES |
| NOTICE. | 10/28/99 | WM0911KES |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| ADDED 1009166 AS A GENERATOR | 2/11/00 | WM0233JLM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| UPDATED FOR TWI RECERT | 3/12/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| ADDED P093 PER CUSTOMER | 10/31/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER. | 10/31/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/31/04 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/31/04 | WM0911CAT |
| X | 1/20/05 | WM0911CRW |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 1/27/05 | WM0911CAT |
| removed D009 per Cynthia Williams who got the ok | 1/27/05 | WM0911CAT |
| from the customer | 1/27/05 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 1/27/05 | WM0911CAT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/17/05 | WM0911CAT |
| ADDED U240, U279 PER CUSTOMER | 3/17/05 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/17/05 | WM0911CAT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 5/16/05 | WM0911CAT |
| added F032, F034 per customer | 5/16/05 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 5/16/05 | WM0911CAT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 5/23/05 | WM0911CAT |
| added F035 per customer | 5/23/05 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 5/23/05 | WM0911CAT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 8/12/05 | WM0911KEM |
| ADDED U051 PER CUSTOMER | 8/12/05 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 8/12/05 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 8/17/05 | WM0911CAT |
| ADDED D014 | 8/17/05 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 8/17/05 | WM0911CAT |
| REMOVED MICHIGAN CUSTOMERS CYANOKEM AND 1001966 | 4/02/08 | WM0911SGH |
| NOT SHIPPING UNDER THIS PROFILE | 4/02/08 | WM0911SGH |

Date Printed 12/31/09

Schedule Categories

Profile #
TWI CI5789

| | | |
|-----------------|--------------------|------------------|
| <u>Category</u> | <u>Description</u> | <u>Container</u> |
| ILLB | Low BTU Bulk Liqui | Tank Trucks |

Pricing Comments

Disposal Price

- Need PE if off-gate, no min. or no approval fee
- \$2,060.00 minimum per tanker
- If T & D bundled 40,000 pound minimum applies.
- Illinois Hazardous Fees: \$.03 per gallon or \$6.06 per cubic yard.

Transportation Price

- Load/Trip/Mile
- \$150 per day tanker rental.
- Fuel surcharge will apply based on the U.S. Average Retail On-Highway Diesel Prices.
- Direct inject tankers may incur additional cost.
- Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.

Demurrage

- \$85.00 an hour after 1 1/2 hours loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Energy & Security surcharge will apply.
- Tanker Rinseout & Heel Removal Fees:
 - \$515.00 aqueous rinse (no solids) plus cost of solvent used.
 - \$1,030.00 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,030.00 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,030.00 minimum removal fee plus \$1.49 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$309.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
- \$80.00 per drum for any overpacked material.
- Discrepant material will be surcharged on a case-by-case basis.

Date 12/31/09
Time 12:52:25

WASTE MANAGEMENT DECISION
Appendix L

Page . . . : 1

Location of Original MIDWEST REGIONAL LAB

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

*** This Decision is APPROVED

Tracking #: 5643969 Priority : 97
Profile # : CI5789 Date Received: 12/12/09
Effective Date: 12/28/09
Generator : BURLINGTON ENVIRONMENTAL INC
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods
Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
- Notification & Certification form must
- DOT approved containers.

- offloaded will be returned to the generator.
- centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using a manifest.

c) Analytical Requirements for Each Load
MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 12/28/11

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) CAROLYN THIERFELDER Date 12/28/09

Appendix L

Veolia ES Technical Solutions, L.L.C

APPROVAL SUMMARY - TWIC15789

PAGE 1 - 12/31/09

| | | | | | | | |
|--|--|-------------------------------|--|-----------------------------------|--|--------------------------------|--|
| TWI | | VEOLIA ES TECHNICAL SOLUTIONS | | | | H040 | |
| | | | | | | Incineration-thermal destruct. | |
| 001/911 - TRADE WASTE INCINERATION, INC. L.L.C., SAUGET, 7 MOBILE AVENUE, IL 62201 | | | | | | | |
| Original WIP 023926 | | Generator No. 546221 | | Generator EPA ID No. WAD020257945 | | | |
| Generator Name BURLINGTON ENVIRONMENTAL INC. | | | | Generator State No. 9530019999 | | | |
| Address 1701 ALEXANDER AVE. | | | | State Wastestream No. | | | |
| City TACOMA | | State WA | | Country US | | Zip 98421-4106 | |
| Signature on File? Yes | | Form Code W219 | | | | | |
| Approval Date: 11/01/2007 | | Expiration Date: 12/28/2011 | | Next Sample Date: | | | |
| Recert WIP No: | | Recert Generator No. | | Recert Sent date: | | | |
| State Approval Code: | | State Exp: | | State Lim Qty: | | UOM: | |
| Temporary Hold: No | | Restrictions: No | | One Time Only: | | No | |

Waste Name: CYANIDE MIXTURE SOLUTION

Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

DOT Shipping Names(s):

| | |
|--|-----|
| UN3289, TOXIC LIQUID, CORROSIVE, INORGANIC, n.o.s. | 6.1 |
| UN2927, TOXIC LIQUIDS, CORROSIVE, ORGANIC, n.o.s. | 6.1 |

Waste Codes:

| | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|
| RCRA: D002 | D003 | D004 | D005 | D006 | D007 | D008 | D010 | D011 | D014 |
| F001 | F002 | F003 | F004 | F005 | F006 | F007 | F008 | F009 | F011 |
| F019 | F032 | F034 | F035 | P093 | P106 | U051 | U240 | U279 | |

DOT Properties:

| | | |
|--------------------------|----------------------|--------------------|
| Inhalation: 2 - Moderate | Dermal: 2 - Moderate | Oral: 2 - Moderate |
| Flammable: - | Health: - | |

Physical and chemical properties

| | Range | From | - | To | | Range | From | - | To |
|------------------|-------|------|---|-------|------------------|-------|------|---|-------|
| pH | | 12.5 | - | 14.0 | Specific Gravity | | .8 | - | 1.4 |
| VOC | | 0 | - | 0 % | Flash Point | | 200 | - | 200 F |
| Suspended Solids | | 0 | - | 0 % | Settleable Solid | | 0 | - | 0 % |
| Dissolved Solids | | 0 | - | 0 % | Ash | | 0 | - | 0 % |
| Water Solubility | | 0 | - | 0 % | BTU s / Lb | | 1 | - | 2000 |
| Free Liquid | | 95 | - | 100 % | | | | | |

Physical State: Liquid

Hazard Characteristics:

Used Oil:

Color: Varies, Brown

Odor:

Layers: Single Phase

Viscosity:

Top Layer Low (Water)

Second Layer

Bottom Layer

HOC ppm:

Intensity:

Description:

Cyanide: Sulfide:

Benzene Concentration: .00

Benzene NESHAP Controls Required?

Add Benzene to Tab?

Benzene NESHAP Cert Req Per Load?

Appendix L

Veolia ES Technical Solutions, L.L.C

APPROVAL SUMMARY - TWIC15789

PAGE 2 - 12/31/09

| HALOGENS | FROM | TO | | FROM | TO | UOM |
|-------------|------|--------|-----------|------|----|-----|
| Br BROMINE | | Max 0% | Beryllium | 0 | 0 | |
| Cl CHLORINE | | | Sodium | 0 | 0 | |
| F FLUORINE | | | Potassium | 0 | 0 | |
| I IODINE | | | Sulfur | 0 | 0 | |

WASTE COMPONENT CHEMICALS:

| | LOW | HIGH | UOM |
|--|-------|-------|-----|
| WATER | 50.00 | 99.00 | % |
| ARSENIC | .00 | 15.00 | % |
| BARIUM (ELEMENT) | .00 | 15.00 | % |
| CHROMIUM | .00 | 15.00 | % |
| LEAD | .00 | 15.00 | % |
| SODIUM | .00 | 15.00 | % |
| CADMIUM (METAL) | .00 | 15.00 | % |
| SILVER | .00 | 15.00 | % |
| ZINC (ALL METALS LISTED, IE ARSENIC, BARIUM, ETC) ARE RESENT AS CATIONIC SPECIES. | .00 | 15.00 | % |
| CYANIDE | .10 | 10.00 | % |
| PHENYLTHIOUREA | .00 | 1.00 | % |
| FLUORIDE | .00 | .10 | % |

PROCESS CODES:

BLL

PPE REQUIREMENTS:

| | | |
|---|-------|---|
| R | CRESP | SUPPLIED AIR (TYPE "C" RESPIRATOR, CONSTANT FLOW) |
| B | HBOOT | RUBBER YELLOW OVER BOOT (HEAVY RUBBER OVER BOOT) |
| H | NBRGL | NBR GREEN GLOVES, MAPA AF- 1 8 (PIONEER) |
| H | NITRL | N-DEX, BLUE NITRILE |
| B | SARAN | SARANEX, WHITE (TYVEK WITH SARANEX COATING) |

APPROVAL COMMENTS

Amendment

PCBs Regulated by 40CFR

CSR Comments (16)

C REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH
 C MGR APPROVAL.****F039****
 C REVIEWED FOR PHASE II LDR
 C GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT
 C F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
 C UNTIL FURTHER NOTICE.
 C BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
 C NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
 C CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A
 C TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK
 C PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
 C PETROCHEM
 C due to restraints of sodium contents effect 6-1-01
 C USED PTA ANALYSIS FOR MACT METALS
 C generator request a water blast cleaning after

Appendix L

Veolia ES Technical Solutions, L.L.C

APPROVAL SUMMARY - TWICIS789

PAGE 3 - 12/31/09

C tanker is done. See discrepancy.

DOT Properties

PPE Requirements

General Comment

Hold Related info

Compatibility Group

PSC Comments (9)

L CHARGE CODE: NS
L REVIEWED FOR MACT METALS
L drayage price will be \$2,700.00 to cover the
L cost of any rinsing of the tankers. If ther is an
L extensive heal,pricing will based on case-by case
L basis
L K/KNT ADN INFO RECD AFS/TWI CW 12/14/2007
L WT 2009
L PE 12-31-09

Decision Comment (3)

M MANDATORY ANALYSIS PER WAP
M REVEIUED BY KJD 11/01/07; APPROVED 11/1/07 CAK
M RECERTED 12/28/09 CAK

Approved Containers

Other Information (5)

O GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT
O WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
O CYANIDE FOR INCINERATION.
O REF RCVR# 27-4748 FOR RECERT ANALYSIS, 6/24/05
O REF RCVR# 35-4803 FOR RECERT ANALYSIS, 11/30/09

Process Codes (1)

P ELL

Restricts/Limits/Precaut

Special Handling (2)

S CONTAINS CYANIDES - DO NOT MIX W/PH <6
S CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

Sampling Waived

Appendix L

Veolia ES Technical Solutions, L.L.C

APPROVAL SUMMARY - TWICIS789

PAGE 4 - 12/31/09

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

NAME (PRINT OR TYPE)

PHONE

DATE

SIGNATURE

TITLE

FACILITY NOTIFICATION

If approved for Management, Veolia ES has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

Report: R7008
DATE: 01/16/09

ONYX ENVIRONMENTAL SERVICES
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: BURLINGTON ENVIRONMENTAL INC
DEPT.....: ..
ADDRESS 1: 1701 ALEXANDER AVE
ADDRESS 2:
CITY/ST...: TACOMA WA 98421-4106
CONTACT...:

NUMBER.....: 103-4-349
PHONE.....:
EXPIRES.....: 12/03/09
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD020257945
STATE EPA ID..: 9530019999
EPA STATUS....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|--|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| FLUORIDE | 0 | 0.1 | % |
| NON-TRI CHEMICALS | 0 | 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | | | |
| INERT INORGANIC SALTS | 0 | 15 | % |
| ARSENIC | | | |
| BARIUM | | | |
| CADMIUM | | | |
| LEAD | | | |
| ZINC | | | |
| CHROMIUM | | | |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| <u>METALS</u> | | | <u>PHYSICAL CHARACTERISTICS</u> | | |
|-----------------|--------|------|---------------------------------------|-------------------------------|-------|
| Nickel as Ni | < 200 | ppm | Physical State....: Liquid | | |
| Thallium as Tl | < 200 | ppm | Flash Point.....: > = 200 | CL | |
| Arsenic as As | < 200 | ppm | pH.....: 12.5 - 14.0 | | |
| Barium as Ba | < 200 | ppm | Color.....: BROWN TO VARIES | | |
| Cadmium as Cd | < 200 | ppm | Odor.....: NONE | | |
| Chromium tot Cr | < 200 | ppm | Layers.....: Single Layer | | |
| Lead as Pb | < 100 | ppm | Specific Gravity.: 0.800 - 1.400 | | |
| Mercury as Hg | < 0.1 | ppm | Free Liquids.....: 95 - 100 | | |
| Silver as Ag | < 200 | ppm | Cyanides.....: 0.1 To 10.0 | % | TOTAL |
| Antimony | < 200 | ppm | Sulfides.....: < 3 | PPM | TOTAL |
| Beryllium | < 200 | ppm | PCB's.....: N/A | ppm, Regulated by 40 CFR 761: | |
| Potassium | < 2000 | ppm | Phenolics.....: < 10 | PPM | |
| Sodium | 57800 | ppm | % Taxable.....: DOT UN/NA NBR: UN2927 | | |
| Vanadium | < 200 | ppm | Treatment Codes..: T07 | | |
| Selenium as Se | < 100 | mg/l | CRQ RPT QTY.....: 1 | Material Class: | |
| Chromium Hex | < 500 | mg/l | EPA Permit.....: EXP: | | |
| | | | Hazard Class.....: 6.1 | | |
| | | | State Codes.....: 090001 | | |
| | | | Benzene: NESHAP: | | |
| | | | Packing Group....: II | | |
| | | | Process Codes....: BLL | | |
| | | | Cert of Distrct Rq: Y | | |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES N-DEX INNER GLOVE SARANEX
TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

CONTAINS CYANIDES - DO NOT MIX W/PH <6
CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type B119
Form Code 1

COMMENTS

SHIPMENT RECEIVED ON NOV 19 2008 WILL CONTAIN 50% OIL BTU WILL BE >2000, OK TO ACCEPT ONE TIME
PRICING FOR NOV 19, 2008 LOAD IS \$0.24/LB CHARGE CODE: NS
PE UNTIL 12-31-09 wt 2009
REVIEWED FOR MACT METALS drayage price will be \$2,700.00 to cover the
cost of any winching of the tankers. If ther is an extensive haul pricing will based on case-by-case

NEC W0972E01

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Vedda ES Technical Services
Sauget, Illinois

Report: R7008
DATE: 01/16/09
PROFILE: CI5789

Appendix L
ONYX ENVIRONMENTAL SERVICES
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER

SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

PHENYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report

basis

TRACKING #: 8634205 PRIORITY: 87
 PROFILE #: C19769 DATE RECD: 11/01/97
 GENERATOR: BURLINGTON ENVIRONMENTAL INC
 WASTE CATEGORY CODE:
 DESCRIPT: CYANIDE MIXTURE SOLUTION

PHYSICAL DESCRIPTION WORKSHEET

Receiver # _____

Received Date _____

| DRUM # | SIZE/TYPE | O/P | COLOR/DESCRIPTION | % FULL | % SOLID | % LIQUID |
|--------|-----------|-----|-------------------|--------|---------|----------|
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TECHNICIAN SIGNATURE _____ DATE _____

LOCATION _____ COMMENTS _____

Net Weight _____

TRACKING #: 5624205 PRIORITY: 97
 PROFILE #: 015789 DATE RECD: 11/01/07
 GENERATOR: BURLINGTON ENVIRONMENTAL INC
 WASTE CATEGORY CODE:
 DESCRIPT: CYANIDE MIXTURE SOLUTION

TWI LABORATORY ANALYSIS REPORT

PROCESS CODE BLL PROFILE # CI 5789
☐ PCB ANALYSIS REQUIRED
☐ LAB: RUN METALS AS SPECIFIED BELOW
☒ DIOXIN PRECURSOR ANALYSIS REQUIRED
☐ VISUAL INSPECTION ONLY 5% 100%
☐ VISUAL INSPECTION: GLOVE BOX/HOODED FEEDER
☐ INSPECT OUTER DRUM ONLY - DO NOT OPEN - CMTS BELOW
☐ RECEIVING: VERIFY ORIGINAL CONSUMER LABEL AND WRITE LABEL INFO ON PDW
☐ DECANT SAMPLE REQUIRED
☒ SAMPLE REQUIRED

RECEIVER #: _____

MANIFEST #: _____

No. DRUMS: _____

DATE: _____

SAMPLER SIGN: _____

As 200Be 200Cd 6470Cr 200Hg 0Pb 200Ash 198

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class 6.1

P=PASS F=FAIL

8A _____ 8B _____ 4/5 _____

| SAMPLE NUMBER | | Drum No. | | Free Liquid (%) | | Pumpable | | Layers/Phases -% Ea. | | Color | | Turbidity | | Viscosity | | Physical State | | Water Miscibility | | Add. Description: | |
|---------------|--|----------|--|-----------------|--|----------|--|----------------------|--|-------|--|-------------------|--|-----------|--|---------------------------|--|------------------------------|--|-------------------|--|
| | | | | | | YES NO | | 1 % 2 % 3 % | | | | N/A TnsP TnsL Opq | | N/A L M H | | Liq Solid Sludge Semi-sld | | Misc Part Floats Sinks Emuls | | | |
| | | | | | | | | | | | | N/A TP TL O | | N/A L M H | | Liq Sol Slg Ss | | M P F S E | | | |
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CONFIRMATION LETTER

January 19, 2009

NICK DELEON
 PHILIP SERVICES CORP
 734 S LUCILE ST
 SEATTLE, WA 98108-2631

Re: Confirmation Number 5634205

Attention: NICK DELEON

We are pleased to confirm Veolia's approval of your waste material as described below. The attached profile for the waste materials was prepared by Veolia based upon information provided by you. It is important that no changes be made to the profile without Veolia's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

Veolia Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION
 or another Veolia or Veolia approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

-\$0.23 per pound, \$2,000.00 minimum per shipment
 -applies.
 - Illinois Hazardous Fees: \$.03 per gallon or
 \$6.06 per cubic yard.

Transportation Price:

- N/A Customer to provide
 - Direct inject tankers may incur additional cost.

Waste Approval Fees:

- Recert, no charge
 - Characterization & unknowns are priced upon request.

Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:
 - \$536 aqueous rinseout fee (no solids) plus cost of solvent used.
 - \$1,071 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,071 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,071 minimum tanker entry fee plus \$1.55 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.

January 19, 2009

Re: Confirmation Number 5634205

- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date:

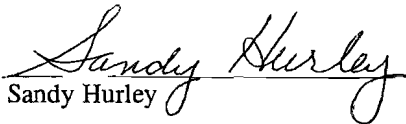
12/03/09

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using a manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Payment terms shall be in accordance with the payment terms on our invoice. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by Veolia upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative.
Thank you for this opportunity to be of service.


Sandy Hurley

NICK DELEON
PHILIP SERVICES CORP

Veolia ES Technical Solutions, LLC

Date Printed 01/19/09

Veolia ES Technical Solutions, LLC

Appendix L

GENERATOR'S WASTE PROFILE SHEET

Profile #
TWI C15789

() Check here if this is a Recertification LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: BURLINGTON ENVIRONMENTAL INC Generator USEPA ID: WAD020257945

2. Generator Address: 1701 ALEXANDER AVE Billing Address: PHILIP SERVICES CORP
() Same 734 S LUCILE ST

TACOMA WA 98421-4106

3. Technical Contact/Phone: SEATTLE WA 98108-2631

4. Alternate Contact/Phone: Billing Contact/Phone:

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D005 D006 D007 D008 D010 D011
D014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 See attachment 1 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid() Liquid(X) Both() Gas() B. Single Layer (X) Multilayer () C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable () B. Strong Odor ():describe

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|--|------------|------------------|
| CYANIDE | 0.1 to 10 | % |
| WATER | 50 to 99 | % |
| FLUORIDE | 0 to 0.1 | % |
| NON-TRI CHEMICALS | 0 to 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | to | |
| INERT INORGANIC SALTS | 0 to 15 | % |
| TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): | 150.100000 | See attach2 |

12. OTHER: PCBs if yes, concentration N ppm, PCBs regulated by 40 CFR 761 (). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration ppm. NESHA () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other

13. If waste subject to the land ban & meets treatment standards, check here: & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid () Bulk Liquid (X) Drum () Type/Size: TANK Other

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): Sample Tracking Number: 5634205

Date Sampled: Sampler's Name/Company:

16b. Generator's Agent Supervising Sampling: 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Veolia ES Technical Solutions to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile C15789
NEIC VP0972E01 Signature

JOHN S. MAIER
Page 87 of 412

OPERATION MANAGER
Name and Title
Veolia ES Technical Services
Sauget, Illinois

4/10/95
Date

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A or B.1) next to each restriction that is applicable:

___ HOCs. ___ PCBs. ___ Acid. ___ Metals. ___ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|-----------|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable | | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | DESCRIPTION | NONE | 268.41(a) | 268.43(a) | 268.42 | |
| 1 | D002 | Non-CWA, Non-Class 1 managed corrosive char. wastes | | | | DEACT | A |
| 2 | D003 | REACTIVE CYANIDES | | | | | A |
| 3 | D004 | | X | | | | A |
| 4 | D005 | | X | | | | A |
| 5 | D006 | | X | | | | A |
| 6 | D007 | | X | | | | A |
| 7 | D008 | | X | | | | A |
| 8 | D010 | | X | | | | A |
| 9 | D011 | | X | | | | A |
| 10 | D014 | Non CWA | | | | | A |
| 11 | F001 | | X | | | INCIN | A |
| 12 | F002 | | X | | | INCIN | A |
| 13 | F003 | | X | | | INCIN | A |
| 14 | F004 | | X | | | INCIN | A |
| 15 | F005 | | X | | | INCIN | A |
| 16 | F006 | | X | | | | A |
| 17 | F007 | | X | | | | A |
| 18 | F008 | | X | | | | A |
| 19 | F009 | | X | | | | A |
| 20 | F011 | | X | | | | A |
| 21 | F012 | | X | | | | A |
| 22 | F019 | | X | | | | A |
| 23 | F032 | | X | | | | A |
| 24 | F034 | | X | | | | A |
| 25 | F035 | | X | | | | A |
| 26 | P093 | | X | | | INCIN | A |
| 27 | P106 | | X | | | | A |
| 28 | U051 | | X | X | X | | A |
| 29 | U240 | | X | | | | A |
| 30 | U279 | | X | | | | A |

20. USEPA hazardous waste numbers (continued):

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|-----------|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable | 268.41(a) | 268.43(a) | |
| | | DESCRIPTION | NONE | 268.41(a) | 268.43(a) | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD

B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes, Soil: ☐ Yes, Debris: ☐22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each: Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTALCyanides: None to Type (free, total, amenable, etc.)Sulfides: ≤ 3 to PPM Type TOTALOptional Phenolics: ≤ 10 to PPM24. Identify the waste color BROWN TO VARIES . DOT physical state Liquid .
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

| | |
|---|---|
| <p>25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION</p> <p style="text-align: center;">TOTAL</p> <p>Beryllium as Be < 5000 ppm</p> <p>Potassium as K 10000 ppm</p> <p>Sodium as Na 88000 ppm</p> <p>Bromine as Br < 5 %</p> <p>Chlorine as Cl < 5 %</p> <p>Fluorine as F < 5 %</p> <p>Sulfur as S < 5 %</p> | <p>26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)</p> <p style="text-align: center;">RANGE</p> <p>A. Heat Value (Btu/lb): 1- 2000</p> <p>B. Water: _____</p> <p>C. Viscosity (cps): _____ @ _____ F _ 100 F _ 150 F</p> <p>D. Ash: _____ %</p> <p>E. Settleable solids: _____ %</p> <p>F. Vapor Pressure @ STP (mm/Hg): _____</p> <p>G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No _____</p> <p>H. Can this waste be heated to improve flow? Yes _____ No <input checked="" type="checkbox"/></p> <p>I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No _____</p> <p>J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No _____</p> |
|---|---|

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _____

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

and Additional Description if required: (CYANIDE, ARSENIC)

RQ(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: II

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 Lb

E. Non-Bulk code 202 Bulk code 243

F. Special Provisions T42 _____

G. Labels Required POISON OR TOXIC CORROSIVE

28. SPECIAL HANDLING INFORMATION

CONTAINS CYANIDES - DO NOT MIX W/PH <6

CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

_ Material Safety Data Sheets Attached

29. OTHER INFORMATION

GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION. REF RCVR# 27-4748 FOR RECERT ANALYSIS, 6/24/05

30. VEOLIA ES TECHNICAL SOLUTIONS CERTIFICATION

Veolia ES Technical Solutions, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | | |
|-----------------|--|--------------------------|---------------------|--------------|-----------|---|-----------------|--------------------|---------------------|--------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | TCLP Actual | California List | | | Actual |
| | | | | | | | Less Than | Regulated Level | Equal or More | |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | | <200 ppm | |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | | <200 ppm | |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | | <200 ppm | |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | | <200 ppm | |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | | <100 ppm | |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | <0.1 ppm | |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | | | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | | <200 ppm | |
| Nickel as Ni | | | | | | | 134 mg/l | | <200 ppm | |
| Thallium as Tl | | | | | | X | 130 mg/l | | <200 ppm | |
| Chromium Hex | | | | | | X | 500 mg/l | | | |
| Antimony | | | | | | | | | <200 ppm | |
| Beryllium | | | | | | | | | <200 ppm | |
| Copper | | | | | | | | | | |
| Vanadium | | | | | | | | | <200 ppm | |
| Zinc | | | | | | | | | | |
| Potassium | | | | | | | | | <2000 ppm | |
| Sodium | | | | | | | | | 57800 ppm | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|--|--------------------|---------------------|--------------|---|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
| | | | | | | |
| | | | | | | |

Date Printed 01/19/09

Appendix L

Profile #
TWI CI5789

ATTACHMENT 2

CHEMICAL COMPOSITION: Additional constituents NOT included on page 1 of the Waste Profile
Constituents

Range Unit Description

| | | |
|---|----------|--|
| ARSENIC | to | |
| BARIUM | to | |
| CADMIUM | to | |
| LEAD | to | |
| ZINC | to | |
| CHROMIUM | to | |
| SILVER | to | |
| SODIUM | to | |
| COMMENTS | to | |
| METALS LISTED UNDER "INERT INORGANIC SALTS" ARE | to | |
| PRESENT AS CATIONIC SPECIES. | to | |
| PHENYLTHIOUREA | 0 to 1 % | |

UHC Constituent

Management Method

| | |
|---------------------|---|
| Cyanides (Total) | A |
| Cyanides (Amenable) | A |
| Arsenic | A |
| Cadmium | A |
| Chromium (Total) | A |
| Lead | A |
| Selenium | A |
| Silver | A |

Solvent Constituent

Management Method

1/19/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE II)

TWI-CI5789

Generator Name: BURLINGTON ENVIRONMENTAL INC

Manifest Doc. No.: _____

Profile Number: CI5789

State Manifest No: _____

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Nonwastewater ☒ Wastewater ☐
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B.1, or B.2) next to each restriction that is applicable:
HOCs, PCBs, Acid, Metals, Cyanides
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the following page. If F039, multi-source leachate applies those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

| REF # | 4. US EPA HAZARDOUS WASTE CODE(S) | 5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE | | 6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW |
|-------|-----------------------------------|--|------|--|
| | | DESCRIPTION | NONE | |
| 1 | D002 | Non-CWA, Non-Class I managed corrosive char. wastes | | A |
| 2 | D003 | REACTIVE CYANIDES | | A |
| 3 | D004 | | X | A |
| 4 | D005 | | X | A |

To identify F039 or D001-D043 underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (ONYX-2004) and check here: ☒ X
If no UHCs are present in the waste upon its initial generation check here:
To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (ONYX-2005-B):
and check here: ☒ X
Disposal facility monitors for all UHCs check here
If waste will be managed in a system regulated under the CWA, or a Class 1 injection well under the SDWA check here

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A, B1, B2, B3, B4, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, B4 or D, you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of the law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 6 above.

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certifications, including the possibility of a fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____

Title _____

Date _____

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Appendix L
SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

| F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s). | Treatment Standard ¹ | | F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s). | Treatment Standard ¹ | |
|--|---------------------------------|----------------|--|---------------------------------|----------------|
| | Wastewaters | Nonwastewaters | | Wastewaters | Nonwastewaters |

¹ All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

| CALIFORNIA LIST TREATMENT STANDARDS--40CFR 268.32, 40 CFR 268.42 and RCRA Section 3004(d) A waste must first be designated as a US EPA Hazardous waste before the waste can be subject to the California List restrictions. | | |
|--|---|---|
| Restricted waste description | Prohibition | Treatment Standard |
| Liquid* or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268, Appendix III | Liquid* wastes: Greater than or equal to 1,000 mg/l Nonliquid wastes: Greater than or equal to 1,000 mg/kg | 40 CFR 268.42(a)(2) - INCIN or FSUBS |
| Liquid* wastes containing Poly Chlorinated Biphenyls (PCBs) | Greater than or equal to 50 ppm | 40CFR 268.42(a)(1) - INCIN or FSUBS Also see 40 CFR 761.60 and .70 |
| Liquid* wastes containing Metals Note: Hazardous wastes containing As, Cd, Cr, Hg, Pb, or Se must be evaluated if not characteristically hazardous for that metal | One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 134mg/l Thallium and/or compounds as Th: 130mg/l | RCRA Section 3004(d) |

* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual SW-846

SUBCATEGORY REFERENCE

- D001:
A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CWA/CWA-equivalent or Class I SDWA systems.
C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.
- D002:
D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.
E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SDWA systems.

1/19/09

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE II)

TWI-CI5789

SUPPLEMENTAL PAGE

Generator Name: BURLINGTON ENVIRONMENTAL INC Manifest Doc. No.: _____
 Profile Number: CI5789 State Manifest No: _____

This form is a continuation from form ONYX-2005-A for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself IS NOT an acceptable Land Disposal Notification and Certification Form!

Continue (from form ONYX-2005-A) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 6 how the waste must be managed. Spent solvent and California List treatment standards are listed on second page. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

| REF # | 4. US EPA HAZARDOUS WASTE CODE(S) | 5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE | | 6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW |
|-------|-----------------------------------|--|------|--|
| | | DESCRIPTION | NONE | |
| 5 | D006 | | X | A |
| 6 | D007 | | X | A |
| 7 | D008 | | X | A |
| 8 | D010 | | X | A |
| 9 | D011 | | X | A |
| 10 | D014 | Non CWA | | A |
| 11 | F001 | | X | A |
| 12 | F002 | | X | A |
| 13 | F003 | | X | A |
| 14 | F004 | | X | A |
| 15 | F005 | | X | A |
| 16 | F006 | | X | A |
| 17 | F007 | | X | A |
| 18 | F008 | | X | A |
| 19 | F009 | | X | A |
| 20 | F011 | | X | A |
| 21 | F012 | | X | A |
| 22 | F019 | | X | A |
| 23 | F032 | | X | A |
| 24 | F034 | | X | A |
| 25 | F035 | | X | A |
| 26 | P093 | | X | A |
| 27 | P106 | | X | A |
| 28 | U051 | | X | A |
| 29 | U240 | | X | A |
| 30 | U279 | | X | A |
| 31 | | | | |
| 32 | | | | |

To identify F039 or D001-D043 underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (ONYX-2004) and check here: X

If no UHCs are present in the waste upon its initial generation check here:

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____ Title _____ Date _____
 1999 Veolia ES Technical Solutions, LLC - 09/99 - Form ONYX-2005-B

Appendix L 7
F039/UNDERLYING HAZARDOUS CONSTITUENT FORM (UTS)

Generator Name: BURLINGTON ENVIRONMENTAL INC
Profile Number: CI5789 - TWI

Manifest Doc. No.: _____
State Manifest No.: _____

If D001-D043 requires treatment to 268.48 standards, then each underlying hazardous constituent present in the waste at the point of generation, and at a level above the UTS constituent specific treatment standard, must be listed. Write the letter (A, B1, B3, or C which corresponds to the letter on form ONYX-2005-A) beside each constituent present, to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to the 268.49 standards, then each UHC in the waste at the point of generation, and at a level above 10 x the UTS must be listed. Write the letter (A.1, B.5, D, or E) which corresponds to the letter on form ONYX-2005-E beside each constituent present.

| CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) | CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) |
|-------------------------------|---------------------------------------|-----------|-------------|---|---------------------------------------|-----------|-------------|
| Acenaphthylene | | 0.059 | 3.4 | Butylate | | 0.042 | 1.4 |
| Acenaphthene | | 0.059 | 3.4 | 2-sec-Butyl-4,6-dinitrophenol (Dinoseb) | | 0.066 | 2.5 |
| Acetone | | 0.28 | 160 | Carbon disulfide | | 3.8 | 1,2 4.8 |
| Acetonitrile | | 5.6 | 38 | Carbaryl | | 0.006 | 0.14 |
| Acetophenone | | 0.010 | 9.7 | Carbendazim | | 0.056 | 1.4 |
| 2-Acetylaminofluorene | | 0.059 | 140 | Carbofuran | | 0.006 | 0.14 |
| Acrolein | | 0.29 | NA | Carbofuran phenol | | 0.056 | 1.4 |
| Acrylamide | | 19 | 23 | Carbon tetrachloride | | 0.057 | 6.0 |
| Acrylonitrile | | 0.24 | 84 | Carbosulfan | | 0.028 | 1.4 |
| Aldicarb Sulfone | | 0.056 | 0.28 | Chlordane (alpha & gamma) | | 0.0033 | 0.26 |
| Aldrin | | 0.021 | 0.066 | p-Chloroaniline | | 0.46 | 16 |
| 4-Aminobiphenyl | | 0.13 | NA | Chlorobenzene | | 0.057 | 6.0 |
| Aniline | | 0.81 | 14 | Chlorobenzilate | | 0.10 | NA |
| Anthracene | | 0.059 | 3.4 | 2-chloro-1,3-butadiene | | 0.057 | 0.28 |
| Aramite | | 0.36 | NA | Chlorodibromomethane | | 0.057 | 15 |
| alpha-BHC | | 0.00014 | 0.066 | Chloroethane | | 0.27 | 6.0 |
| beta-BHC | | 0.00014 | 0.066 | bis-(2-Chloroethoxy) methane | | 0.036 | 7.2 |
| delta-BHC | | 0.023 | 0.066 | bis-(2-Chloroethyl) ether | | 0.033 | 6.0 |
| gamma-BHC (Lindane) | | 0.0017 | 0.066 | Chloroform | | 0.046 | 6.0 |
| Barban | | 0.056 | 1.4 | bis-(2-Chloroisopropyl) ether | | 0.055 | 7.2 |
| Bendiocarb | | 0.056 | 1.4 | p-Chloro-m-cresol | | 0.018 | 14 |
| Benomyl | | 0.056 | 1.4 | 2-Chloroethyl Vinyl ether | | 0.062 | NA |
| Benzene | | 0.14 | 10 | Chloromethane (methyl chloride) | | 0.19 | 30 |
| Benzo (a) anthracene | | 0.059 | 3.4 | 2-Chloronaphthalene | | 0.055 | 5.6 |
| Benzal chloride | | 0.055 | 6.0 | 2-Chlorophenol | | 0.044 | 5.7 |
| Benzo (b) fluoranthene | | 0.11 | 6.8 | 3-Chloropropylene | | 0.036 | 30 |
| Benzo (k) fluoranthene | | 0.11 | 6.8 | Chrysene | | 0.059 | 3.4 |
| Benzo (g,h,i) perylene | | 0.0055 | 1.8 | o-Cresol | | 0.11 | 5.6 |
| Benzo (a) pyrene | | 0.061 | 3.4 | Cresol (m- and p- isomers) | | 0.77 | 5.6 |
| Bromodichloromethane | | 0.35 | 15 | m-Cumenyl methylcarbamate | | 0.056 | 1.4 |
| Bromoform (Tribromomethane) | | 0.63 | 15 | Cyclohexanone | | 0.36 | 0.75 |
| Bromomethane (methyl bromide) | | 0.11 | 15 | 1,2-Dibromo-3-Chloropropane | | 0.11 | 15 |
| 4-Bromophenyl phenyl ether | | 0.055 | 15 | 1,2-Dibromoethane (Ethylene dibromide) | | 0.028 | 15 |
| n-Butanol (n-butyl alcohol) | | 5.6 | 2.6 | Dibromomethane | | 0.11 | 15 |
| Butyl benzyl phthalate | | 0.017 | 28 | 2,4-Dichlorophenoxyacetic acid (2,4-D) | | 0.72 | 10 |

PAGE: 1 OF 4

ONYX-2004 (06/01)

Veolia ES Technical Solutions

Appendix I

| CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) | CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) |
|----------------------------|---------------------------------------|--------------------|-------------|--------------------------------------|---------------------------------------|--------------------|---------------------|
| o,p-DDD | | 0.023 | 0.087 | Endosulfan II | | 0.029 | 0.13 |
| p,p-DDD | | 0.023 | 0.087 | Endosulfan sulfate | | 0.029 | 0.13 |
| o,p-DDE | | 0.031 | 0.087 | Endrin | | 0.0028 | 0.13 |
| p,p-DDE | | 0.031 | 0.087 | Endrin aldehyde | | 0.025 | 0.13 |
| o,p-DDT | | 0.0039 | 0.087 | EPTC | | 0.042 ² | 1.4 ² |
| p,p-DDT | | 0.0039 | 0.087 | Ethyl acetate | | 0.34 | 33 |
| Dibenzo (a,h) anthracene | | 0.055 | 8.2 | Ethyl benzene | | 0.057 | 10 |
| Dibenzo (a,e) pyrene | | 0.061 | NA | Ethyl cyanide (Propanenitrile) | | 0.24 | 360 |
| m-Dichlorobenzene | | 0.036 | 6.0 | Ethyl ether | | 0.12 | 160 |
| o-Dichlorobenzene | | 0.088 | 6.0 | bis-(2-Ethylhexyl) phthalate | | 0.28 | 28 |
| p-Dichlorobenzene | | 0.090 | 6.0 | Ethyl methacrylate | | 0.14 | 160 |
| Dichlorodifluoromethane | | 0.23 | 7.2 | Ethylene oxide | | 0.12 | NA |
| 1,1-Dichloroethane | | 0.059 | 6.0 | Famphur | | 0.017 | 15 |
| 1,2-Dichloroethane | | 0.21 | 6.0 | Fluoranthene | | 0.068 | 3.4 |
| 1,1-Dichloroethylene | | 0.025 | 6.0 | Fluorene | | 0.059 | 3.4 |
| trans-1,2-Dichloroethylene | | 0.054 | 30 | Formetanate hydrochloride | | 0.056 ² | 1.4 ² |
| 2,4-Dichlorophenol | | 0.044 | 14 | Heptachlor | | 0.0012 | 0.066 |
| 2,6-Dichlorophenol | | 0.044 | 14 | Heptachlor epoxide | | 0.016 | 0.066 |
| 1,2-Dichloropropane | | 0.85 | 18 | Hexachlorobenzene | | 0.055 | 10 |
| cis-1,3-Dichloropropene | | 0.036 | 18 | Hexachlorobutadiene | | 0.055 | 5.6 |
| trans-1,3-Dichloropropene | | 0.036 | 18 | Hexachlorocyclopentadiene | | 0.057 | 2.4 |
| Dieldrin | | 0.017 | 0.13 | Hexachlorodibenzo-furans | | 0.000063 | 0.001 |
| Diethyl phthalate | | 0.20 ² | 28 | Hexachlorodibenzo-p-dioxins | | 0.000063 | 0.001 |
| p-Dimethylaminoazobenzene | | 0.13 | NA | Hexachloroethane | | 0.055 | 30 |
| 2,4-Dimethyl phenol | | 0.036 | 14 | Hexachloropropylene | | 0.035 | 30 |
| Dimethyl phthalate | | 0.047 | 28 | Indeno (1,2,3-c,d) pyrene | | 0.0055 | 3.4 |
| Di-n-butyl phthalate | | 0.057 | 28 | Iodomethane | | 0.19 | 65 |
| 1,4-Dinitrobenzene | | 0.32 | 2.3 | Isobutanol (Isobutyl Alcohol) | | 5.6 | 170 |
| 4,6-Dinitro-o-cresol | | 0.28 | 160 | Isodrin | | 0.021 | 0.066 |
| 2,4-Dinitrophenol | | 0.12 | 160 | Isosafrole | | 0.081 | 2.6 |
| 2,4-Dinitrotoluene | | 0.32 | 140 | Kepone | | 0.0011 | 0.13 |
| 2,6-Dinitrotoluene | | 0.55 | 28 | Methylacrylonitrile | | 0.24 | 84 |
| Di-n-octyl phthalate | | 0.017 | 28 | Methanol | | 5.6 | 0.75 ^{1,2} |
| Di-n-propylnitrosoamine | | 0.40 | 14 | Methapyrilene | | 0.081 ² | 1.5 ² |
| 1,4-Dioxane | | 12 | 170 | Methiocarb | | 0.056 ² | 1.4 ² |
| Diphenyl amine | | 0.92 | 13 | Methomyl | | 0.028 | 0.14 |
| Diphenylnitrosoamine | | 0.92 | 13 | Methoxychlor | | 0.25 | 0.18 |
| 1,2-Diphenyl hydrazine | | 0.087 | NA | 3-Methylcholanthrene | | 0.0055 | 15 |
| Disulfoton | | 0.017 | 6.2 | 4,4-Methylene-bis- (2-chloroaniline) | | 0.50 | 30 |
| Dithiocarbamates (total) | | 0.028 ² | 28 | Methylene chloride | | 0.089 | 30 |
| Endosulfan I | | 0.023 | 0.066 | Methyl ethyl ketone | | 0.28 | 36 |

PAGE: 2 OF 4

ONYX-2004 (06/01)

Appendix L

| CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) | CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) |
|--------------------------------------|---------------------------------------|--------------------|-------------------|---|---------------------------------------|---------------------|-------------------|
| Methyl isobutyl ketone | | 0.14 | 33 | Pronamide | | 0.093 | 1.5 |
| Methyl methacrylate | | 0.14 | 160 | Propam | | 0.056 ² | 1.4 ² |
| Methyl methanesulfonate | | 0.018 | NA | Propoxur | | 0.056 ² | 1.4 ² |
| Methyl parathion | | 0.014 | 4.6 | Prosulfocarb | | 0.042 ² | 1.4 ² |
| Metolcarb | | 0.056 ² | 1.4 ² | Pyrene | | 0.067 | 8.2 |
| Mexacarbate | | 0.056 ² | 1.4 ² | Pyridine | | 0.014 | 16 |
| Molinate | | 0.042 ² | 1.4 ² | Safrole | | 0.081 | 22 |
| Naphthalene | | 0.059 | 5.6 | Silvex (2,4,5-TP) | | 0.72 | 7.9 |
| 2-Naphthylamine | | 0.52 | NA | 2,4,5-Trichlorophenoxyacetic acid | | 0.72 | 7.9 |
| o-Nitroaniline | | 0.27 ² | 14 ² | 1,2,4,5-Tetrachlorobenzene | | 0.055 | 14 |
| p-Nitroaniline | | 0.028 | 28 | Tetrachlorodibenzo-furans (TCDF's) | | 0.000063 | 0.001 |
| Nitrobenzene | | 0.068 | 14 | Tetrachlorodibenzo-p-dioxins | | 0.000063 | 0.001 |
| 5-Nitro-o-toluidine | | 0.32 | 28 | 1,1,1,2-Tetrachloroethane | | 0.057 | 6.0 |
| o-Nitrophenol | | 0.028 ² | 13 ² | 1,1,2,2-Tetrachloroethane | | 0.057 | 6.0 |
| p-Nitrophenol | | 0.12 | 29 | Tetrachloroethylene | | 0.056 | 6.0 |
| N-Nitrosodiethylamine | | 0.40 | 28 | 2,3,4,6-Tetrachlorophenol | | 0.030 | 7.4 |
| N-Nitrosodimethylamine | | 0.40 | 2.3 ² | Thiodicarb | | 0.019 ² | 1.4 ² |
| N-Nitroso-di-n-butylamine | | 0.40 | 17 | Thiophanate-methyl | | 0.056 ² | 1.4 ² |
| N-Nitrosomethylethylamine | | 0.40 | 2.3 | Toluene | | 0.080 | 10 |
| N-Nitrosomorpholine | | 0.40 | 2.3 | Toxaphene | | 0.0095 ² | 2.6 ² |
| N-Nitrosopiperidine | | 0.013 | 35 | Triallate | | 0.042 ² | 1.4 ² |
| N-Nitrosopyrrolidine | | 0.013 ² | 35 ² | 2,4,6-Tribromophenol | | .035 | 7.4 |
| Oxamyl | | 0.056 ² | 0.28 ² | 1,2,4-Trichlorobenzene | | 0.055 | 19 |
| Parathion | | 0.014 | 4.6 | 1,1,1-Trichloroethane | | 0.054 | 6.0 |
| PCBs (Total) all isomers or Aroclors | | 0.10 | 10 | 1,1,2-Trichloroethane | | 0.054 | 6.0 |
| Pebulate | | 0.042 ² | 1.4 ² | Trichloroethylene | | 0.054 | 6.0 |
| Pentachlorobenzene | | 0.055 | 10 | Trichloromonofluoromethane | | 0.020 | 30 |
| Pentachloroethane | | 0.055 ² | 6.0 ² | 2,4,5-Trichlorophenol | | 0.18 | 7.4 |
| Pentachlorodibenzo-furans | | 0.000035 | 0.001 | 2,4,6-Trichlorophenol | | 0.035 | 7.4 |
| Pentachlorodibenzo-p-dioxins | | 0.000063 | 0.001 | 1,2,3-Trichloropropane | | 0.85 | 30 |
| Pentachloronitrobenzene | | 0.055 | 4.8 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.057 | 30 |
| Pentachlorophenol | | 0.089 | 7.4 | Triethylamine | | 0.081 ² | 1.5 ² |
| Phenacetin | | 0.081 | 16 | Tris(2,3-dibromopropyl) phosphate | | 0.11 | 0.10 ² |
| Phenathrene | | 0.059 | 5.6 | Vernolate | | 0.042 ² | 1.4 ² |
| Phenol | | 0.039 | 6.2 | Vinyl chloride | | 0.27 | 6.0 |
| Phorate | | 0.021 | 4.6 | Xylenes (sum of o-, m-, and p- isomers) | | 0.32 | 30 |
| Phthalic acid | | 0.055 ² | 28 ² | Cyanides (Total) ^A | A | 1.2 | 590 |
| Phthalic anhydride | | 0.055 ² | 28 ² | Cyanides (Amenable) ^A | A | 0.86 | 30 ² |
| Physostigmine | | 0.056 ² | 1.4 ² | Antimony | | 1.9 | 2.1 ¹ |
| Physostigmine salicylate | | 0.056 ² | 1.4 ² | Antimony ^A | | 1.9 | 1.15 ⁵ |
| Promecarb | | 0.056 ² | 1.4 ² | Arsenic | A | 1.4 | 5.0 ¹ |

PAGE: 3 OF 4

ONYX-2004 (06/01)

Appendix L

| CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) | CONSTITUENT | HOW MUST THIS CONSTITUENT BE MANAGED? | WW (mg/l) | NWW (mg/Kg) |
|--|---------------------------------------|-----------|----------------------|-------------|---------------------------------------|-----------|-------------|
| Barium | | 1.2 | 7.6 ¹ | | | | |
| Barium | | 1.2 | 21 ^{1,5} | | | | |
| Beryllium | | 0.82 | 0.014 ^{1,2} | | | | |
| Beryllium | | 0.82 | 1.22 ^{1,5} | | | | |
| Cadmium | A | 0.69 | 0.19 ¹ | | | | |
| Cadmium | | 0.69 | 0.11 ^{1,5} | | | | |
| Chromium (Total) | A | 2.77 | 0.86 ¹ | | | | |
| Chromium (Total) | | 2.77 | 0.60 ^{1,5} | | | | |
| Fluoride ³ | | 35 | NA | | | | |
| Lead | A | 0.69 | 0.37 ¹ | | | | |
| Lead | | 0.69 | 0.75 ^{1,5} | | | | |
| Mercury (Not from retorting) | | 0.15 | 0.025 ¹ | | | | |
| Nickel | | 3.98 | 5.0 ¹ | | | | |
| Nickel | | 3.98 | 11 ^{1,5} | | | | |
| Mercury (From retorting) | | N/A | 0.20 ¹ | | | | |
| Selenium | A | 0.82 | 0.16 ¹ | | | | |
| Selenium | | 0.82 | 5.7 ⁶ | | | | |
| Silver | A | 0.43 | 0.30 ¹ | | | | |
| Silver | | 0.43 | 0.14 ^{1,5} | | | | |
| Sulfide ³ | | 14 | NA | | | | |
| Thallium | | 1.4 | 0.078 ^{1,2} | | | | |
| Thallium | | 1.4 | 0.20 ^{1,5} | | | | |
| Vanadium ³ | | 4.3 | 1.6 ¹ | | | | |
| Zinc ³ | | 2.61 | 4.3 ¹ | | | | |
| 2,4-Dimethylaniline (2,4-Xylidine) | | 0.01 | 0.66 | | | | |
| o-Anisidine (2-Methoxyaniline) | | 0.01 | 0.66 | | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin | | 0.000035 | 0.0025 | | | | |
| 1,2,3,4,6,7,8-heptachlorodibenzofuran | | 0.000035 | 0.0025 | | | | |
| 1,2,3,4,8,9-heptachlorodibenzofuran | | 0.000035 | 0.0025 | | | | |
| 1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin | | 0.000063 | 0.005 | | | | |
| 1,2,3,4,6,7,8,9-Octachlorodibenzofuran | | 0.000063 | 0.005 | | | | |
| 1,3-Phenylenediamine | | 0.01 | 0.66 | | | | |
| p-Cresidine | | 0.01 | 0.66 | | | | |
| 2,4-Xylidine | | 0.01 | 0.66 | | | | |

1 These concentrations are expressed in mg/l and are measured through an analysis of TCLP extract; all others measured through a total waste analysis.

2 These constituents are only applicable as Underlying Hazardous Constituents. They are not constituents requiring treatment in F039 wastes.

3 Not an underlying hazardous constituent requiring treatment in D001-D043 wastes, per 268.2(i).

4 These compounds are regulated by the sum of their concentration instead of as individual constituents.

5 These concentrations are effective in unauthorized states or states with no LDR program on August 24, 1998. These concentrations are effective in all other states upon adoption by the state.

6 Effective August 24, 1998 in unauthorized states or states with no LDR program, Selenium at 5.7 Mg/L is not considered an underlying hazardous constituent in D001-D043 waste as it is above the characteristic level. This becomes effective in authorized states once that state adopts.

7 If a contaminated soil, and the alternative soil treatment standards are being utilized, the treatment standards for underlying hazardous constituents must be a 90% reduction of the constituent(s) or be less than 10 X the standards listed. Note that if the constituent concentration is less than 10 X UTS at the time of generation, that constituent is not considered an underlying hazardous constituent.

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ONYX-2004 (06/01)

Report: R7008
DATE: 11/01/07

ONYX ENVIRONMENTAL SERVICES, LLC
WASTE PROFILE SUMMARY Appendix L

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
ADDRESS 1: 1701 ALEXANDER AVE
ADDRESS 2:
CITY/ST.: TACOMA WA 98421-4106
CONTACT..:

NUMBER.....: 103-4-349
PHONE.....:
EXPIRES.....: 12/03/09
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD020257945
STATE EPA ID..: 9530019999
EPA STATUS....: CHK RESTRICT
SALES OFFICE..: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|--|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| FLUORIDE | 0 | 0.1 | % |
| NON-TRI CHEMICALS | 0 | 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | | | |
| INERT INORGANIC SALTS | 0 | 15 | % |
| ARSENIC | | | |
| BARIUM | | | |
| CADMIUM | | | |
| LEAD | | | |
| ZINC | | | |
| CHROMIUM | | | |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| <u>METALS</u> | | <u>TCA OR TOTAL</u> | <u>PHYSICAL CHARACTERISTICS</u> | |
|-----------------|--------|---------------------|---------------------------------------|-------------------------------|
| Nickel as Ni | < 200 | ppm | Physical State....: Liquid | |
| Thallium as Tl | < 200 | ppm | Flash Point.....: > = 200 | CL |
| Arsenic as As | < 200 | ppm | pH.....: 12.5 - 14.0 | |
| Barium as Ba | < 200 | ppm | Color.....: BROWN TO VARIES | |
| Cadmium as Cd | < 200 | ppm | Odor.....: NONE | |
| Chromium tot Cr | < 200 | ppm | Layers.....: Single Layer | |
| Lead as Pb | < 100 | ppm | Specific Gravity.: 0.800 - 1.400 | |
| Mercury as Hg | < 0.1 | ppm | Free Liquids.....: 95 - 100 | |
| Silver as Ag | < 200 | ppm | Cyanides.....: 0.1 To 10.0 | % TOTAL |
| Antimony | < 200 | ppm | Sulfides.....: < 3 | PPM TOTAL |
| Beryllium | < 200 | ppm | PCB's.....: N/A | ppm, Regulated by 40 CFR 761: |
| Potassium | < 2000 | ppm | Phenolics.....: < 10 | PPM |
| Sodium | 57800 | ppm | % Taxable.....: DOT UN/NA NBR: UN2927 | |
| Vanadium | < 200 | ppm | Treatment Codes..: T07 | |
| Selenium as Se | < 100 | mg/l | CRQ RPT QTY.....: 1 | Material Class: |
| Chromium Hex | < 500 | mg/l | EPA Permit.....: EXP: | |
| | | | Hazard Class.....: 6.1 | |
| | | | State Codes.....: 090001 | |
| | | | Benzene | NESHAP: |
| | | | Packing Group....: II | |
| | | | Process Codes....: BLL | |
| | | | Cert of Distrct Rq: Y | |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES N-DEX INNER GLOVE SARANEX
TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

CONTAINS CYANIDES - DO NOT MIX W/PH <6
CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type B119
Form Code 1

COMMENTS

CHARGE CODE: NS REVIEWED FOR MACT METALS
drayage price will be \$2,700.00 to cover the cost of any rinsing of the tankers. If ther is an
extensive heal,pricing will based on case-by case basis

Report: R7008
DATE: 11/01/07
PROFILE: CI5789

ONYX ENVIRONMENTAL SERVICES, LLC
WASTE PROFILE SUMMARY ADDENDUM
Appendix L

Version 01.00
APENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

PHENYLTHIOUREA

0 1 %

Crew

New Approval/Recert Checklist

Circle all that apply

New

Direct

Schedule

Recert

Intercompany

CI 5789

Comment Key

A=Amendment

L=PSC Comments

C=CSR Comments

O=Other Information

D=DOT Properties

P=Process Code

E=PPE Requirements

R=Restrictions/Limits/Precautions

G=General Comment

S=Special Handling

H=Hold related info

I-Series**1. CSR**

(new, and all directs)

Customer #

Generator #

HBU**1. CSR**

(new, and all directs)

BIF G#

BIF-1 #

2. Check-In

(all directs)

Enter WIP #

023926

Initiate activity

2. Check-In

(all new)

CK Check in (LM03, LM01)

3. Approvals

(all)

Verify approval (or WIP, if new direct)

Add activity to WIP/create approval (directs)

Comments:

HBU section 28

HBU section 29

Process Code

HBU F22 PSC comments

Temporary Hold Flag Flip

3. Approvals

(all)

HBU recert or approval

Update/enter Waste Tracking Info

4. Check-Out

(all)

Print approval

4. Check-Out

(all)

Print approval

HBU Check-out (new)

5. CSR

(all)

(review comments in HBU and copy to series as necessary)

PPE -E

DOT Properties -D

CSR Comments -C

Additional comments if necessary

5. CSR

(all)

PPE -E

DOT Properties -D

CSR Comments -C

Additional comments if necessary

6. Kathy and Christie

(all)

Pricing on Approval and WIP

New Approval/Recert Checklist**Circle all that apply**

New

Direct

Schedule

Recert

Intercompany

CAIC

Comment Key

A=Amendment

L=PSC Comments

C=CSR Comments

O=Other information

D=DOT Properties

P=Process Code

E=PPE Requirements

R=Restrictions/Limits/Precautions

G=General Comment

S=Special Handling

H=Hold related info

I-Series**1. CSR**

(new, and all directs)

Customer # 546220Generator # 546221**2. Check-In**

(all directs)

Enter WIP # 23920

Initiate activity

3. Approvals

(all)

Verify approval (or WIP, if new direct)

Add activity to WIP/create approval (directs)

Comments:

HBU section 28

HBU section 29

Process Code

HBU F22 PSC comments

Temporary Hold Flag Flip

4. Check-Out

(all)

Print approval

5. CSR

(all)

(review comments in HBU and copy to iseries as necessary)

PPE -E

DOT Properties -D

CSR Comments -C

Additional comments if necessary

6. Kathy and Christie

(all)

Pricing on Approval and WIP
NEIC VP0972E01**HBU****1. CSR**

(new, and all directs)

BIF- G# 103-4349BIF- I # 103-4349**2. Check-In**

(all new)

Check in (LM03, LM01)

3. Approvals

(all)

HBU recert or approval

Update/enter Waste Tracking info

4. Check-Out

(all)

Print approval

HBU Check-out (new)

5. CSR

(all)

PPE -E

DOT Properties -D

CSR Comments -C

Additional comments if necessary

Date Printed 11/01/07

Veolia ES Technical Solutions, LLC

Appendix L

GENERATOR'S WASTE PROFILE SHEET

Profile #
TWI C15789

(_) Check here if this is a Recertification

LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: PHILIP SERVICES CORP Generator USEPA ID: WAD020257945

2. Generator Address: 1701 ALEXANDER AVE Billing Address: PHILIP SERVICES CORP
(_) Same 734 S LUCILE ST

3. Technical TACOMA WA 98421-4106

4. Alternate SEATTLE WA 98108-2631

Contact/Phone: Contact/Phone:

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D005 D006 D007 D008 D010 D011
D014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 See attachment 1 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid () Liquid (X) Both () Gas () B. Single Layer (X) Multilayer () C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable () B. Strong Odor (); describe

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|--|------------|------------------|
| CYANIDE | 0.1 to 10 | % |
| WATER | 50 to 99 | % |
| FLUORIDE | 0 to 0.1 | % |
| NON-TRI CHEMICALS | 0 to 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | to | |
| INERT INORGANIC SALTS | 0 to 15 | % |
| TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): | 150.100000 | See attach2 |

12. OTHER: PCBs if yes, concentration N ppm, PCBs regulated by 40 CFR 761 () Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration ppm. NESHA () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid () Bulk Liquid (X) Drum () Type/Size: TANK Other

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): Sample Tracking Number: 5634205

Date Sampled: Sampler's Name/Company:

16b. Generator's Agent Supervising Sampling: 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Veolia ES Technical Solutions to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile C15789

Signature
NEIC VP0972E01

JOHN S. MAIER

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OPERATION MANAGER

Name and Title
Veolia ES Technical Services
Sauget, Illinois

4/10/95

Date

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A or B.1) next to each restriction that is applicable:

___ HOCs, ___ PCBs, ___ Acid, ___ Metals, ___ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|----------|---|---|---|---|---|-----------|---|
| | | | | PERFORMANCE- BASED: Check as applicable | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | | |
| | | | | | 268.41(a) | 268.43(a) | |
| 1 | D002 | Non-CWA, Non-Class 1 managed corrosive char. wastes | | | | DEACT | A |
| 2 | D003 | REACTIVE CYANIDES | | | | | A |
| 3 | D004 | | X | | | | A |
| 4 | D005 | | X | | | | A |
| 5 | D006 | | X | | | | A |
| 6 | D007 | | X | | | | A |
| 7 | D008 | | X | | | | A |
| 8 | D010 | | X | | | | A |
| 9 | D011 | | X | | | | A |
| 10 | D014 | Non CWA | | | | | A |
| 11 | F001 | | X | | | INCIN | A |
| 12 | F002 | | X | | | INCIN | A |
| 13 | F003 | | X | | | INCIN | A |
| 14 | F004 | | X | | | INCIN | A |
| 15 | F005 | | X | | | INCIN | A |
| 16 | F006 | | X | | | | A |
| 17 | F007 | | X | | | | A |
| 18 | F008 | | X | | | | A |
| 19 | F009 | | X | | | | A |
| 20 | F011 | | X | | | | A |
| 21 | F012 | | X | | | | A |
| 22 | F019 | | X | | | | A |
| 23 | F032 | | X | | | | A |
| 24 | F034 | | X | | | | A |
| 25 | F035 | | X | | | | A |
| 26 | P093 | | X | | | INCIN | A |
| 27 | P106 | | X | | | | A |
| 28 | U051 | | X | X | X | | A |
| 29 | U240 | | X | | | | A |
| 30 | U279 | | X | | | | A |

20. USEPA hazardous waste numbers (continued):

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|----------|---|---|------|---|---|-----------|---|
| | | | | PERFORMANCE- BASED: Check as applicable | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | | |
| | | | | | 268.41(a) | 268.43(a) | |
| | | DESCRIPTION | NONE | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD

B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: X Yes, Soil: Yes, Debris: 22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each: Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTAL Cyanides: None to Type (free, total, amenable, etc.) Sulfides: ≤ 3 to PPM Type TOTAL Optional Phenolics: ≤ 10 to PPM 24. Identify the waste color BROWN TO VARIES, DOT physical state Liquid,
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

| | |
|--|---|
| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) |
| TOTAL | RANGE |
| Beryllium as Be < 5000 ppm | A. Heat Value (Btu/lb): 1- 2000 |
| Potassium as K 10000 ppm | B. Water: _____ |
| Sodium as Na 88000 ppm | C. Viscosity (cps): _____ @ _____ F _ 100 F _ 150 F |
| Bromine as Br < 5 % | D. Ash: _____ % |
| Chlorine as Cl < 5 % | E. Settleable solids: _____ % |
| Fluorine as F < 5 % | F. Vapor Pressure @ STP (mm/Hg): _____ |
| Sulfur as S < 5 % | G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No _ |
| | H. Can this waste be heated to improve flow? Yes _ No <input checked="" type="checkbox"/> |
| | I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No _ |
| | J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No _ |

27. TRANSPORTATION INFORMATIONA. Is this a DOT Hazardous Material? Yes ☒ No _

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S.

and Additional Description if required: (CYANIDE, ARSENIC)

RQ(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: IID. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 LbE. Non-Bulk code 202 Bulk code 243F. Special Provisions T42 _ _ _ _ _G. Labels Required POISON OR TOXIC CORROSIVE**28. SPECIAL HANDLING INFORMATION**CONTAINS CYANIDES - DO NOT MIX W/PH <6CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD☐ Material Safety Data Sheets Attached**29. OTHER INFORMATION**GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION. REF RCV# 27-4748 FOR RECERT ANALYSIS, 6/24/05**30. VEOLIA ES TECHNICAL SOLUTIONS CERTIFICATION**

Veolia ES Technical Solutions, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l | | | | TCLP Data TCLP Actual | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | |
|-----------------|--|--------------------|---------------|-----------|------------------------------|--|----------|--|-----------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | | Actual |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | | <200 ppm |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | | <200 ppm |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | | <200 ppm |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | | <200 ppm |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | | <100 ppm |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | <0.1 ppm |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | | <200 ppm |
| Nickel as Ni | | | | | | | 134 mg/l | | <200 ppm |
| Thallium as Tl | | | | | | X | 130 mg/l | | <200 ppm |
| Chromium Hex | | | | | | X | 500 mg/l | | |
| Antimony | | | | | | | | | <200 ppm |
| Beryllium | | | | | | | | | <200 ppm |
| Copper | | | | | | | | | |
| Vanadium | | | | | | | | | <200 ppm |
| Zinc | | | | | | | | | |
| Potassium | | | | | | | | | <2000 ppm |
| Sodium | | | | | | | | | 57800 ppm |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|--|--------------------|---------------------|--------------|---|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
| | | | | | | |
| | | | | | | |

ATTACHMENT 1

USEPA WASTE CODE NUMBERS: Additional waste codes NOT included on page 1 of the Waste Profile

F012 F019 F032 F034 F035 P093 P106 U051 U240 U279

ATTACHMENT 2

CHEMICAL COMPOSITION: Additional constituents NOT included on page 1 of the Waste Profile
 Constituents Range Unit Description

| | | |
|---|----------|--|
| ARSENIC | to | |
| BARIUM | to | |
| CADMIUM | to | |
| LEAD | to | |
| ZINC | to | |
| CHROMIUM | to | |
| SILVER | to | |
| SODIUM | to | |
| COMMENTS | to | |
| METALS LISTED UNDER "INERT INORGANIC SALTS" ARE | to | |
| PRESENT AS CATIONIC SPECIES. | to | |
| PHENYLTHIOUREA | 0 to 1 % | |

| UHC Constituent | Management Method |
|-----------------|-------------------|
|-----------------|-------------------|

| | |
|---------------------|---|
| Cyanides (Total) | A |
| Cyanides (Amenable) | A |
| Arsenic | A |
| Cadmium | A |
| Chromium (Total) | A |
| Lead | A |
| Selenium | A |
| Silver | A |

| Solvent Constituent | Management Method |
|---------------------|-------------------|
|---------------------|-------------------|

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
 Master Profile No.: PTA-NC
 Sales Office: . . . : PTA
 Location Orig. . . : PTA
 Profile Expires . . : 12/03/09
 Approved. : 11/01/07
 Signed Profile Present: Y Change Pending: N Waste Status: A
 Site (DCS) Status: Z REQ FOR DCS DOWNLOAD
 Prof. Tracking No: 5634205

Fuels Approval.:
 Pumpable Liquid Exact: ___ % OR Range: ___ - ___ %
 Type of Pump. . :
 Additional Anticipated Vol: _____ Per: ___ Unit Code/Des: _____

Handling Codes: 62 NBR GREEN GLOVES 80 N-DEX INNER GLOVE
 64 SARANEX 00 TYPE C RESPIR CONST FLOW
 0F PVC YELLOW OVR BOOT COVER

EPA Data: Status Code: C Tax Code. . :
 Permit No: _____ Expr. Date.: _____ Volume. . . :
 Certificate of Destruction or Disposal Required ? Y Project # :
 DOT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: ___ Health: ___

Percent Taxable: _____ No. of Labels. . . :
 Tranship Dest . : _____ Download Generator: T034349
 Material Class.: - DCS Generator #.: 5841034349
 Treatment Codes: - T07
 Process Codes . : BLL
 Schedule Category : TLLB
 Schedule Interval :
 Listed Solvent Waste: _____ Hal. Org. Compounds.: _____ RCRA Reactive. . . . :
 Etiologic. : _____ Water Reactive . . . : _____ Pesticide Mfg. Waste: _____
 Ignition Screen : _____ Gas Evolution : _____ Wet Zone :
 Self-heating cube sz _____ Vapor Concentration _____ Boiling Point F _____
 Is Gas Ignitable? _____ Corrosive to Steel or Aluminum _____ Organic Peroxide _____
 Chemical Family Name _____

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD020257945 | G | - | - | - | - |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|---------------------------|--------------|------|-------------------|-----|------------|--------------------|
| PETRO CHEM PROCESSING INC | MID980615298 | G | - | - | - | - |
| CYANOKEM INC | MID098011992 | G | - | - | - | - |
| PHILIP SERVICES CORP | WAD000812909 | G | - | - | - | - |
| PHILIP SERVICES CORP | WAD000812909 | I | - | - | - | - |
| PHILIP SERVICES CORP | WAD991281767 | I | Y | TWI | 12/02/07 | - |
| PHILIP SERVICES CORP | WAD020257945 | I | Y | TWI | 12/02/07 | - |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment | Cat | Comment |
|-----|--|-----|--|
| CSR | REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH | CSR | MGR APPROVAL. ****F039**** |
| CSR | REVIEWED FOR PHASE II LDR | CSR | GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT |
| CSR | F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI | CSR | UNTIL FURTHER NOTICE. |
| CSR | BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. | CSR | LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS |
| CSR | SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 | CSR | NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF |
| CSR | CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A | CSR | TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK |
| CSR | PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND | CSR | PETROCHEM |
| CSR | DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO | CSR | THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY |
| CSR | TO THIS PARTICULAR SHIPMENT \$1000.00 | CSR | DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF |
| CSR | 1021182. SEATTLE WA SHIPMENTS GETS BILLED TO | CSR | KENT WA. |
| CSR | DELIVERY 4-22-02 REQUIRES TRIPLE RINSE | CSR | DELIVERY 12-2-02 - IF P-LISTED REJECT P LISHED |
| CSR | RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER | CSR | CUSTOMER CARRIE ALLEN. |
| CSR | pe on file exp 12/31/05 Customer pays blh pricing | CSR | due to restraints of sodium contents effect 6-1-01 |
| CSR | REF RECEIVER # 22-6983 FOR ANALYSIS-RCVD 12/2/02 | CSR | USED PTA ANALYSIS FOR MACT METALS |
| CSR | generator request a water blast cleaning after | CSR | tanker is done. See discrepancy. |
| PSC | CHARGE CODE: NS | PSC | REVIEWED FOR MACT METALS |
| PSC | drayage price will be \$2,700.00 to cover the | PSC | cost of any rinsing of the tankers. If ther is an |
| PSC | extensive heal.pricing will based on case-by case | PSC | basis |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|----------------|
| WSTTP | B119 |
| FRMCD | 1 |
| TPCDI | M041 |
| TWIAD | Y |
| | NEIC-VP0972E01 |

Date Printed 11/01/07

Profile Change HistoryProfile #
TWI C15789

This section lists comments describing changes made to the profile.

| Profile Change Comments | Date | User |
|--|----------|-----------|
| MRL/BP3414 Entire profile copied to MRL/C15789 | 1/19/98 | WM0911TTT |
| / | 1/19/98 | WM0911TTT |
| TWI APPROVAL | 2/04/98 | WM0911TTT |
| MRL/C15789 Entire profile copied to TWI/C15789 | 2/04/98 | WM0911TTT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 2/04/98 | WM0911TTT |
| X | 2/04/98 | WM0911TTT |
| MRL/C15789 Change Log copied to TWI/C15789 | 2/04/98 | WM0911TTT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 2/04/98 | WM0911TTT |
| MRL/C15789 Change Log copied to TWI/C15789 | 2/04/98 | WM0911TTT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 5/21/98 | WM0911CAT |
| ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST RECEIPT AND LAN BAN | 5/21/98 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 5/21/98 | WM0911CAT |
| LHB/ Added Cyanokem- Philip location per Mike | 7/30/98 | WM0233LHB |
| Ullendorf of Philip in Renton, WA | 7/30/98 | WM0233LHB |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 1/26/99 | WM0346RJL |
| PTA RECERT. | 1/26/99 | WM0346RJL |
| MRL/C15789 Change Log copied to TWI/C15789 | 1/26/99 | WM0346RJL |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 10/28/99 | WM0911KES |
| REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER NOTICE. | 10/28/99 | WM0911KES |
| MRL/C15789 Change Log copied to TWI/C15789 | 10/28/99 | WM0911KES |
| ADDED 1009166 AS A GENERATOR | 2/11/00 | WM0233JLM |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 3/12/01 | WM0911KEM |
| UPDATED FOR TWI RECERT | 3/12/01 | WM0911KEM |
| MRL/C15789 Change Log copied to TWI/C15789 | 3/12/01 | WM0911KEM |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 10/31/01 | WM0911KEM |
| ADDED P093 PER CUSTOMER | 10/31/01 | WM0911KEM |
| MRL/C15789 Change Log copied to TWI/C15789 | 10/31/01 | WM0911KEM |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 10/31/01 | WM0911KEM |
| ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER. | 10/31/01 | WM0911KEM |
| MRL/C15789 Change Log copied to TWI/C15789 | 10/31/01 | WM0911KEM |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 3/31/04 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 3/31/04 | WM0911CAT |
| X | 1/20/05 | WM0911CRW |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 1/27/05 | WM0911CAT |
| removed D009 per Cynthia Williams who got the ok from the customer | 1/27/05 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 1/27/05 | WM0911CAT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 3/17/05 | WM0911CAT |
| ADDED U240, U279 PER CUSTOMER | 3/17/05 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 3/17/05 | WM0911CAT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 5/16/05 | WM0911CAT |
| added F032, F034 per customer | 5/16/05 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 5/16/05 | WM0911CAT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 5/23/05 | WM0911CAT |
| added F035 per customer | 5/23/05 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 5/23/05 | WM0911CAT |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 8/12/05 | WM0911KEM |
| ADDED U051 PER CUSTOMER | 8/12/05 | WM0911KEM |
| MRL/C15789 Change Log copied to TWI/C15789 | 8/12/05 | WM0911KEM |
| MRL/C15789 Core Profile Info copied to TWI/C15789 | 8/17/05 | WM0911CAT |
| ADDED D014 | 8/17/05 | WM0911CAT |
| MRL/C15789 Change Log copied to TWI/C15789 | 8/17/05 | WM0911CAT |

Date Printed 11/01/07Schedule CategoriesProfile #
TWI CI5789

| <u>Category</u> | <u>Description</u> | <u>Container</u> |
|-----------------|--------------------|------------------|
| ILLB | Low BTU BuTk Liqui | Tank Trucks |

Pricing Comments

Disposal Price

- Need PE if off-gate, no min, or no approval fee
- \$2,000 minimum applies.
- If T & D bundled 40,000 pound minimum applies.
- Illinois Hazardous Fees: \$.03 per gallon or \$6.06 per cubic yard.

Transportation Price

- Load/Trip/Mile
- \$425 minimum for trips less than 100 miles.
- \$3.60 per loaded mile.
- \$150 per day tanker rental.
- Fuel surcharge will apply based on the U.S. Average Retail On-Highway Diesel Prices.
- Direct inject tankers may incur additional cost.
- Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.

Demurrage

- \$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Energy & Security surcharge will apply.
- Tanker Rinseout & Heel Removal Fees:
 - \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
 - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
- \$75.00 per drum for any overpacked material.
- Discrepant material will be surcharged on a case-by-case basis.

Date 11/01/07
Time 15:50:14

WASTE MANAGEMENT DECISION
Appendix L
Location of Original MIDWEST REGIONAL LAB

Page . . . : 1

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

*** This Decision is APPROVED

Tracking #: 5634205 Priority : 97
Profile # : CI5789 Date Received: 11/01/07
Effective Date: 11/01/07
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods
Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
- Notification & Certification form must
- DOT approved containers.

- offloaded will be returned to the generator.
- centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using a manifest.

c) Analytical Requirements for Each Load
MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 12/03/09

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) CAROLYN THIERFELDER Date 11/01/07

Approval Code : TWICI5789

Facility : TWI Technology : 040

Approval Detail

| | | | | |
|-------------------|------------|--------------|------------|---------------------------|
| Owned by Company: | 001 | Location | : 911 | TRADE WASTE INCINERATION, |
| Original WIP | : 23926 | Generator | : 546221 | PHILIP SERVICES CORP |
| Approval Date | : 11/01/07 | Expiration | : 12/02/09 | |
| Recert WIP | : 0 | Recert Gen | : | Date Recert Sent : |
| Next Sample Date: | | ST Limit Qty | : 0 | ST Lim Qty UOM : |
| State Approval | : | | | State Expire Date: |
| Temporary Hold | : N | Restriction | : N | One Time Only : N |
| Company Code | : | Location | : | |

Waste Stream

Waste Name : CYANIDE MIXTURE SOLUTION

| | | | | |
|---------------------|----------------|------------------------------------|--------------------|--------|
| RQ | : Y | RQ Quantity : | 1 | |
| Ship Name . . . | : 2880 | TOXIC LIQUIDS, CORROSIVE, ORGANIC, | | |
| Hazard Class : | 6.1 | POISONOUS MATERIAL | Odor: | *Blank |
| Color | : VAR | Intensity : | | |
| Layers | : Single Phase | Viscosity: | Low (Water) | |
| Physical State | Liquid | Blank | Blank | |
| Haz Characteristics | Form W219 | Form : | | |
| Blank | Blank | Blank | | |
| Pack Group . . | : | Required Labels: | Waste DWW PIH IH P | |
| Hazard Zone : | | Y N N N N | | |

| | | | |
|-----------------------------|---------|------|------|
| | Range - | From | To |
| PH | : | 12.5 | 14.0 |
| Specific Gravity | : | 0.8 | 1.4 |
| Flash Point | : | 200 | 200 |
| VOC | : | 0 | 0 |
| Suspended Solids | : | 0 | 0 |
| Settleable Solids | : | 0 | 0 |
| Dissolved Solids | : | 0 | 0 |
| BTU's / Lb. | : | 1 | 2000 |
| Ash | : | 0 | 0 |
| Water Solubility | : | 0 | 0 |
| Free Liquid | : | 95 | 100 |

| Packing Group | Label 1 | Label 2 | Label 3 | Label 4 |
|---------------|---------|---------|---------|---------|
| I | 6.1 | 8 | | |
| II | 6.1 | 8 | | |

Waste Components Chemicals

| Chemical | Description |
|----------|-------------|
|----------|-------------|

| | |
|-------|------------------|
| 434 | ARSENIC |
| 495 | BARIUM (ELEMENT) |
| 1211 | CHROMIUM |
| 3286 | LEAD |
| 4029 | PHENYLTHIOUREA |
| 4535 | SODIUM |
| 4555 | CADMIUM (METAL) |
| 5295 | WATER |
| 5963 | SILVER |
| 99999 | CYANIDE |

L

5

Waste Components Chemicals

| <u>Chemical</u> | <u>Description</u> |
|-----------------|--|
| 99999 | FLUORIDE |
| 99999 | ZINC (ALL METALS LISTED, IE ARSENIC, BARIUM, ETC) ARE RESENT AS CATIONIC SPECIES. |

L

Waste Stream Waste Codes

| <u>EPA Waste Code</u> | <u>Seq #</u> |
|-----------------------|--------------|
| D002 | 0 |
| D003 | 0 |
| D004 | 0 |
| D005 | 0 |
| D006 | 0 |
| D007 | 0 |
| D008 | 0 |
| D010 | 0 |
| D011 | 0 |
| D014 | 0 |
| F001 | 0 |
| F002 | 0 |
| F003 | 0 |
| F004 | 0 |
| F005 | 0 |
| F006 | 0 |
| F007 | 0 |
| F008 | 0 |
| F009 | 0 |
| F011 | 0 |
| F012 | 0 |
| F019 | 0 |
| F032 | 0 |
| F034 | 0 |
| F035 | 0 |
| P093 | 0 |
| P106 | 0 |
| U051 | 0 |
| U240 | 0 |
| U279 | 0 |

** END OF REPORT **

Date Printed 01/27/05

Onyx Environmental Services, LLC

Appendix L

GENERATOR'S WASTE PROFILE SHEET

Profile #
TWI CI5789

(_) Check here if this is a Recertification

LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: PHILIP SERVICES CORP Generator USEPA ID: WAD020257945

2. Generator Address: 1701 ALEXANDER AVE Billing Address: PHILIP SERVICES CORP
(_) Same 734 S LUCILE ST

TACOMA WA 98421-4106

3. Technical Contact/Phone: SEATTLE WA 98108-2631

4. Alternate Contact/Phone: Billing Contact/Phone:

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

8. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D005 D006 D007 D008 D010 D011
F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 F012 F019 P093 P106 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid () Liquid (X) Both () Gas () B. Single Layer (X) Multilayer () C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable () B. Strong Odor (); describe

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|--|------------|------------------|
| CYANIDE | 0.1 to 10 | % |
| WATER | 50 to 99 | % |
| FLUORIDE | 0 to 0.1 | % |
| NON-TRI CHEMICALS | 0 to 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | to | |
| INERT INORGANIC SALTS | 0 to 15 | % |
| TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): | 150.100000 | See attach2 |

12. OTHER: PCBs if yes, concentration N ppm. PCBs regulated by 40 CFR 761 () Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration ppm. NESHAP () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid () Bulk Liquid (X) Drum () Type/Size: TANK Other

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): Sample Tracking Number: 5613156

Date Sampled: Sampler's Name/Company:

16b. Generator's Agent Supervising Sampling: 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Onyx Environmental to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile CI5789
NEIC VP0972609 signature

JOHN S. MAIER
Page 153 of 412

OPERATION MANAGER
Name and Title: Veolia ES Technical Services
Sauget, Illinois

4/10/95
Date

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A or B.1) next to each restriction that is applicable:

___ HOCs, ___ PCBs, ___ Acid, ___ Metals, ___ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|-----------|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable | | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | DESCRIPTION | NONE | 268.41(a) | 268.43(a) | 268.42 | |
| 1 | D002 | Non-CWA, Non-Class 1 managed corrosive char. wastes | | | | DEACT | A |
| 2 | D003 | REACTIVE CYANIDES | | | | | A |
| 3 | D004 | | X | | | | A |
| 4 | D005 | | X | | | | A |
| 5 | D006 | | X | | | | A |
| 6 | D007 | | X | | | | A |
| 7 | D008 | | X | | | | A |
| 8 | D010 | | X | | | | A |
| 9 | D011 | | X | | | | A |
| 10 | F001 | | X | | | INCIN | A |
| 11 | F002 | | X | | | INCIN | A |
| 12 | F003 | | X | | | INCIN | A |
| 13 | F004 | | X | | | INCIN | A |
| 14 | F005 | | X | | | INCIN | A |
| 15 | F006 | | X | | | | A |
| 16 | F007 | | X | | | | A |
| 17 | F008 | | X | | | | A |
| 18 | F009 | | X | | | | A |
| 19 | F011 | | X | | | | A |
| 20 | F012 | | X | | | | A |
| 21 | F019 | | X | | | | A |
| 22 | P093 | | X | | | INCIN | A |
| 23 | P106 | | X | | | | A |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD

B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: X Yes, Soil: Yes, Debris: 22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each:

Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTALCyanides: None to Type (free, total, amenable, etc.) Sulfides: ≤ 3 to PPM Type TOTALOptional
Phenolics: ≤ 10 to PPM24. Identify the waste color BROWN TO VARIES, DOT physical state Liquid,
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

Report: R7008
DATE: 01/27/05

ONYX ENVIRONMENTAL SERVICES, LLC
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
ADDRESS 1: 1701 ALEXANDER AVE
ADDRESS 2:
CITY/ST.: TACOMA WA 98421-4106
CONTACT...:

NUMBER.....: 103-4-349
PHONE.....:
EXPIRES.....: 12/02/07
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD020257945
STATE EPA ID...:
EPA STATUS.....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|--|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| FLUORIDE | 0 | 0.1 | % |
| NON-TRI CHEMICALS | 0 | 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | | | |
| INERT INORGANIC SALTS | 0 | 15 | % |
| ARSENIC | | | |
| BARIUM | | | |
| CADMIUM | | | |
| LEAD | | | |
| ZINC | | | |
| CHROMIUM | | | |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

ENV METALS

TCA OR TOTAL

| | | |
|-----------------|--------|------|
| Nickel as Ni | < 200 | ppm |
| Thallium as Tl | < 200 | ppm |
| Arsenic as As | < 200 | ppm |
| Barium as Ba | < 200 | ppm |
| Cadmium as Cd | < 200 | ppm |
| Chromium tot Cr | < 200 | ppm |
| Lead as Pb | < 100 | ppm |
| Mercury as Hg | < 0.1 | ppm |
| Silver as Ag | < 200 | ppm |
| Antimony | < 200 | ppm |
| Beryllium | < 200 | ppm |
| Potassium | < 2000 | ppm |
| Sodium | 57800 | ppm |
| Vanadium | < 200 | ppm |
| Selenium as Se | < 100 | mg/l |
| Chromium Hex | < 500 | mg/l |

PHYSICAL CHARACTERISTICS

Physical State....: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN TO VARIES
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity.: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 % TOTAL
Sulfides.....: < 3 PPM TOTAL
PCB's.....: N/A ppm, Regulated by 40 CFR 761:
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes...: T07
CRQ RPT QTY.....: 1 Material Class:
EPA Permit.....: EXP:
Hazard Class.....: 6.1
State Codes.....: 090001
Benzene: NESHA:
Packing Group....: II
Process Codes....: BLI
Cert of Distrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

Wear GREEN GLOVES N-DEX INNER GLOVE SARANEX
Wear TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER
Wear N-DEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type B119
Form Code 1

COMMENTS

CHARGE CODE: NS F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
UNTIL FURTHER NOTICE. BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A
SAMPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF +

Report: R7008
DATE: 01/27/05
PROFILE: CI5789

ONYX ENVIRONMENTAL SERVICES, LLC
WASTE PROFILE SUMMARY APPENDIX L

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

* METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.
PHENYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report

1091182. SEATTLE WA SHIPMENTS GETS BILLED TO
DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED
CUSTOMER CARRIE ALLEN.

Reb: to restraints of sodium contents effect 6-1-01

KENT WA.

RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER
pe on file exp 6-1-05. Customer pays blh pricing
REVIEWED FOR MACT METALS

TRACKING #: 5513156 PRIORITY: 97
 PROFILE #: C15789 DATE RECD: 1/20/05
 GENERATOR: PHILIP SERVICES CORP
 WASTE CATEGORY CODE:
 DESCRIPT: CYANIDE MIXTURE SOLUTION

PHYSICAL DESCRIPTION WORKSHEET

Receiver # _____

Received Date _____

| DRUM # | SIZE/TYPE | O/P | COLOR/DESCRIPTION | % FULL | % SOLID | % LIQUID |
|--------|-----------|-----|-------------------|--------|---------|----------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
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| 19 | | | | | | |
| 20 | | | | | | |

TECHNICIAN SIGNATURE _____ DATE _____

LOCATION _____ COMMENTS _____

TWO LABORATORY ANALYSIS REPORT

TRACKING #: 5613156 PRIORITY: 97
 PROFILE #: C15789 DATE RECD: 1/20/05
 GENERATOR: PHILIP SERVICES CORP
 WASTE CATEGORY CODE:
 DESCRIPT: CYANIDE MIXTURE SOLUTION

PROCESS CODE BLL PROFILE # C15789

- () PCB ANALYSIS REQUIRED
 () LAB: RUN METALS AS SPECIFIED BELOW
 (X) DIOXIN PRECURSOR ANALYSIS REQUIRED
 () VISUAL INSPECTION ONLY 5% 100%
 () VISUAL INSPECTION: GLOVE BOX/HOODED FEEDER
 () INSPECT OUTER DRUM ONLY - DO NOT OPEN - CMTS BELOW
 () RECEIVING: VERIFY ORIGINAL CONSUMER LABEL AND
 WRITE LABEL INFO ON PDW
 () DECANT SAMPLE REQUIRED
 (X) SAMPLE REQUIRED

RECEIVER #: _____

MANIFEST#: _____

No. DRUMS: _____

DATE: _____

SAMPLER SIGN: _____

As 200Be 200Cd 6470Cr 200Hg 0Pb 200Ash 1.98

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class 1.98

P=PASS F=FAIL

8A _____ 8B _____ 4/5 _____

| SAMPLE NUMBER | | Drum No. | | Free Liquid (%) | | Pumpable | | Layers/Phases -% Ea | | Color | | Turbidity | | Viscosity | | Physical State | | Water Miscibility | | Add. Description: | |
|---------------|--|----------|--|-----------------|--|----------|--|---------------------|--|-------|--|-------------------|--|-----------|--|---------------------------|--|-----------------------------|--|-------------------|--|
| | | | | | | YES NO | | 1 % 2 % 3 % | | | | N/A TnsP TnsL Opq | | N/A L M H | | Liq Solid Sludge Semi-sld | | Misc Part Floats Sinks Emis | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) |
|--|--|
| <p style="text-align: center;">TOTAL</p> <p>Beryllium as Be < 5000 ppm</p> <p>Potassium as K 10000 ppm</p> <p>Sodium as Na 88000 ppm</p> <p>Bromine as Br < 5 %</p> <p>Chlorine as Cl < 5 %</p> <p>Fluorine as F < 5 %</p> <p>Sulfur as S < 5 %</p> | <p style="text-align: center;">RANGE</p> <p>A. Heat Value (Btu/lb): 1- 2000</p> <p>B. Water: _____</p> <p>C. Viscosity (cps): _____ @ _____ F _ 100 F _ 150 F</p> <p>D. Ash: _____ %</p> <p>E. Settleable solids: _____ %</p> <p>F. Vapor Pressure @ STP (mm/Hg): _____</p> <p>G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No _</p> <p>H. Can this waste be heated to improve flow? Yes _ No <input checked="" type="checkbox"/></p> <p>I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No _</p> <p>J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No _</p> |

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

and Additional Description if required: (CYANIDE, ARSENIC)

RQ(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: IID. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 LbE. Non-Bulk code 202 Bulk code 243F. Special Provisions T42 _ _ _ _ _G. Labels Required POISON OR TOXIC CORROSIVE _ _ _ _ _

28. SPECIAL HANDLING INFORMATION

INDEX/BLUE NITRILE INNER GLOVECONTAINS CYANIDES - DO NOT MIX W/PH <6CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEADMaterial Safety Data Sheets Attached

29. OTHER INFORMATION

GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION.

30. ONYX ENVIRONMENTAL SERVICES CERTIFICATION

Onyx Environmental Services, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l | | | | TCLP Data TCLP Actual | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | |
|-----------------|--|--------------------|---------------|-----------|------------------------------|---|-----------------|---------------|-----------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | | Actual |
| | | | | | | Less Than | Regulated Level | Equal or More | |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | | <200 ppm |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | | <200 ppm |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | | <200 ppm |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | | <200 ppm |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | | <100 ppm |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | <0.1 ppm |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | | <200 ppm |
| Nickel as Ni | | | | | | | 134 mg/l | | <200 ppm |
| Thallium as Tl | | | | | | X | 130 mg/l | | <200 ppm |
| Chromium Hex | | | | | | X | 500 mg/l | | |
| Antimony | | | | | | | | | <200 ppm |
| Beryllium | | | | | | | | | <200 ppm |
| Copper | | | | | | | | | |
| Vanadium | | | | | | | | | <200 ppm |
| Zinc | | | | | | | | | |
| Potassium | | | | | | | | | <2000 ppm |
| Sodium | | | | | | | | | 57800 ppm |
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32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|--|--------------------|---------------------|--------------|---|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
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ATTACHMENT 2

CHEMICAL COMPOSITION: Additional constituents NOT included on page 1 of the Waste Profile

| Constituents | Range | Unit Description |
|---|-------|------------------|
| ARSENIC | | to |
| BARIUM | | to |
| CADMIUM | | to |
| LEAD | | to |
| ZINC | | to |
| CHROMIUM | | to |
| SILVER | | to |
| SODIUM | | to |
| COMMENTS | | to |
| METALS LISTED UNDER "INERT INORGANIC SALTS" ARE | | to |
| PRESENT AS CATIONIC SPECIES. | | to |
| PHENYLTHIOUREA | 0 to | 1 % |

UHC Constituent Management Method

| | |
|---------------------|---|
| Cyanides (Total) | A |
| Cyanides (Amenable) | A |
| Arsenic | A |
| Cadmium | A |
| Chromium (Total) | A |
| Lead | A |
| Selenium | A |
| Silver | A |

Solvent Constituent Management Method

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
 Master Profile No.: PTA-NC
 Sales Office. . . : PTA
 Location Orig. . . : PTA
 Profile Expires . . : 12/02/07
 Approved. : 1/27/05
 Signed Profile Present: Y Change Pending: N Waste Status: A
 Site (DCS) Status: Z REQ FOR DCS DOWNLOAD
 Prof. Tracking No: 5613156

Fuels Approval.:
 Pumpable Liquid EXact: ___ % OR Range: ___ - ___ %
 Type of Pump. . :
 Additional Anticipated Vol: _____ Per: ___ Unit Code/Des: _____

Handling Codes: 62 NBR GREEN GLOVES 80 N-DEX INNER GLOVE
 64 SARANEX 00 TYPE C RESPIR CONST FLOW
 0F PVC YELLOW OVR BOOT COVER

EPA Data: Status Code: C Tax Code. . . :
 Permit No: _____ Expr. Date.: _____ Volume. . . :
 Certificate of Destruction or Disposal Required? Y Project # :
 DOT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: ___ Health: ___

Percent Taxable: _____ No. of Labels. . . :
 Tranship Dest. . : _____ Download Generator: 1034349
 Material Class.: _____ DCS Generator #: 5841034349
 Treatment Codes: T07
 Process Codes . . : BLL
 Schedule Category : ILLB
 Schedule Interval :
 Listed Solvent Waste: Hal. Org. Compounds.: RCRA Reactive. . . :
 Etiologic. : Water Reactive . . . : Pesticide Mfg. Waste: :
 Ignition Screen : Gas Evolution : Wet Zone :
 Self-heating cube sz Vapor Concentration Boiling Point F
 Is Gas Ignitable? Corrosive to Steel or Aluminum Organic Peroxide
 Chemical Family Name

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD020257945 | G | - | - | - | - |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|---------------------------|--------------|------|-------------------|-----|------------|--------------------|
| PETRO CHEM PROCESSING INC | MID980615298 | G | - | - | - | - |
| CYANOKEM INC | MID098011992 | G | - | - | - | - |
| PHILIP SERVICES CORP | WAD000812909 | G | - | - | - | - |
| PHILIP SERVICES CORP | WAD000812909 | I | - | - | - | - |
| PHILIP SERVICES CORP | WAD991281767 | I | Y | TWI | 12/02/07 | - |
| PHILIP SERVICES CORP | WAD020257945 | I | Y | TWI | 12/02/07 | - |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment | Cat | Comment |
|-----|--|-----|--|
| CSR | REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH | CSR | MGR APPROVAL ****F039**** |
| CSR | REVIEWED FOR PHASE II LDR | CSR | GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT |
| CSR | K/RECERT BLL 8-8-04 AFS TWI | CSR | LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS |
| CSR | SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 | CSR | DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO |
| CSR | THE KENT WA BIFF P-CODE TRIPLE RINSE WILL APPLY | CSR | TO THIS PARTICULAR SHIPMENT \$1000.00 |
| CSR | DELIVERY 4-22-02 REQUIRES TRIPLE RINSE | CSR | REF RECEIVER # 22-6983 FOR ANALYSIS-RCVD 12/2/02 |
| CSR | USED PTA ANALYSIS FOR MACT METALS | PSC | CHARGE CODE: NS |
| PSC | F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI | PSC | UNTIL FURTHER NOTICE. |
| PSC | BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. | PSC | NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF |
| PSC | CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A | PSC | TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK |
| PSC | PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND | PSC | PETROCHEM |
| PSC | DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF | PSC | 1021182. SEATTLE WA SHIPMENTS GETS BILLED TO |
| PSC | KENT WA. | PSC | DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED |
| PSC | RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER | PSC | CUSTOMER CARRIE ALLEN. |
| PSC | pe on file exp 6-1-05. Customer pays blh pricing | PSC | due to restraints of sodium contents effect 6-1-01 |
| PSC | REVIEWED FOR MACT METALS | | |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|-------|
| WSTTP | B119 |
| FRMCD | I |
| TPCDI | M041 |
| TWIAD | Y |

Appendix L

Date Printed 1/27/05

Profile Change History

Profile #
TWI CI5789

This section lists comments describing changes made to the profile.

| Profile Change Comments | Date | User |
|--|----------|-----------|
| MRL/BP3414 Entire profile copied to MRL/CI5789 | 1/19/98 | WM0911TTT |
| / | 1/19/98 | WM0911TTT |
| TWI APPROVAL | 2/04/98 | WM0911TTT |
| MRL/CI5789 Entire profile copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| X | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST | 5/21/98 | WM0911CAT |
| RECEIPT AND LAN BAN | 5/21/98 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| LHB/ Added Cyanokem- Philip location per Mike | 7/30/98 | WM0233LHB |
| Ulendorf of Philip in Renton, WA | 7/30/98 | WM0233LHB |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| PTA RECERT. | 1/26/99 | WM0346RJL |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER | 10/28/99 | WM0911KES |
| NOTICE. | 10/28/99 | WM0911KES |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| ADDED 1009166 AS A GENERATOR | 2/11/00 | WM0233JLM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| UPDATED FOR TWI RECERT | 3/12/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| ADDED P093 PER CUSTOMER | 10/31/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER. | 10/31/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/31/04 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/31/04 | WM0911CAT |
| X | 1/20/05 | WM0911CRW |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 1/27/05 | WM0911CAT |
| removed D009 per Cynthia Williams who got the ok | 1/27/05 | WM0911CAT |
| from the customer | 1/27/05 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 1/27/05 | WM0911CAT |

Date Printed 1/27/05Schedule CategoriesProfile #
TWI CI5789

| <u>Category</u> | <u>Description</u> | <u>Container</u> |
|-----------------|--------------------|------------------|
| TLLB | Low BTU Bulk Liqui | Tank Trucks |

Pricing Comments

Disposal Price

- \$0.15 per pound, \$2,000.00 minimum per shipment
- applies
- Illinois Hazardous Fees: \$.03 per gallon or \$6.06 per cubic yard.

Transportation Price

- N/A customer to provide
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Tanker Rinseout & Heel Removal Fees:
 - \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
 - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

*** This Decision is APPROVED

Tracking #: 5613156 Priority : 97
Profile # : CI5789 Date Received: 01/20/05
Effective Date: 01/27/05
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods
Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
- Notification & Certification form must
- DOT approved containers.
manifest.

- offloaded will be returned to the generator.
centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using an Illinois

c) Analytical Requirements for Each Load
MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 12/02/07

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) CAROLYN THIERFELDER Date 01/27/05

Appendix I
TWI Laboratory Analysis Report

Receiver #: 226983

of Drums: 1

Date: 12/2/2002

Profile #: CI5789

Generator: PHILIP SERVICES CORP

Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required

Sample Required

Drum Storage Compatability

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

8A _____ 8B _____ 4/5 _____

| | | |
|----------------------|--------|------------|
| Sample Number | 207326 | IL04116707 |
| Drum Rep / Comp | BULK/0 | |
| Free Liquid (%) | 100 | |
| Pumpable | YES | |
| Layers/Phases -% Ea. | 100 | |
| Color | brown | |
| Turbidity | opaque | |
| Viscosity | low | |
| Physical State | liquid | |
| Water Miscibility | Misc | |



207326

| Add. Description | | | | Profile | Conform | | Date | Initials |
|----------------------|-------------------|----|---|----------------|---------|----|----------|----------|
| | | | | | Yes | No | | |
| Water Reactivity | No RXN | | | | | | 12/02/02 | SW |
| Radiation Screen | =BKG | | | =BKG | | X | | |
| Flam. Pot. Screen | NEGATIVE | | | See Flashpoint | | X | | |
| pH Screen | >12.5 at 100 pent | | | >12.5 | | X | | |
| Oxidizer Screen | NEGATIVE | As | 0 | Hg | 0 | | | |
| Paint Filter Test | V-Fail | Be | 0 | K | 0 | | | |
| Cyanide Screen | POSITIVE | Cd | 0 | Na | 0 | | | |
| Sulfide Screen | NEGATIVE | Cr | 0 | Pb | 0 | | | |
| Incidental Odor | No | | | | | | | |
| Specific Gravity | 1.13 | | | 0.800 - 1.400 | | | 12/02/02 | SW |
| BTU/Lb | <500 | | | 1 - 2000 | | | 12/02/02 | AC |
| % Chloride | <0.50 | | | 5 - 0 | | | 12/02/02 | AC |
| Flash Point - Deg F | | | | >140 | | | 01/01/00 | |
| PCBs By GC - mg/kg | | | | <50ppm | | | 12/02/02 | |
| PCBs-Screen - ppm | | | | <50ppm | | | 01/01/00 | |
| 2,4,5-T/Silvex - ppm | / | | | | | | 01/01/00 | |
| PCP Screen - ppm | | | | | | | 01/01/00 | |
| pH by Meter | | | | | | | 01/01/00 | |

Dioxin Precursor analysis results below site action levels

Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES

Profile Review for Appendix WAP-C Constituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

TWP Laboratory Analysis Report

Receiver #: 194799

of Drums: 1

Date: 4/22/2002

Profile #: CI5789

Generator: PHILIP SERVICES CORP

Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required

Sample Required

Drum Storage Compatability

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

8A _____ 8B _____ 4/5 _____

| | | |
|----------------------|---------------|------------|
| Sample Number | 198231 | IL04116706 |
| Drum Rep / Comp | BULK/0 | |
| Free Liquid (%) | 100 | |
| Pumpable | YES | |
| Layers/Phases -% Ea. | 100 | |
| Color | brown | |
| Turbidity | transparent | |
| Viscosity | low | |
| Physical State | liquid | |
| Water Miscibility | Misc | |



198231

| Add. Description | | | | Profile | | Conform | | Date | Initials |
|----------------------|----------------|----|---|----------------|---|---------|----|----------|----------|
| | | | | | | Yes | No | | |
| Water Reactivity | No RXN | | | | | | | 04/22/02 | DK |
| Radiation Screen | =BKG | | | =BKG | | | X | | |
| Flam. Pot. Screen | NEGATIVE | | | See Flashpoint | | | X | | |
| pH Screen | 12 at 100 pcnt | | | >12.5 | | | X | | |
| Oxidizer Screen | NEGATIVE | As | 0 | Hg | 0 | | | | |
| Paint Filter Test | V-Fail | Be | 0 | K | 0 | | | | |
| Cyanide Screen | POSITIVE | Cd | 0 | Na | 0 | | | | |
| Sulfide Screen | NEGATIVE | Cr | 0 | Pb | 0 | | | | |
| Incidental Odor | No | | | | | | | | |
| Specific Gravity | 1.12 | | | 0.800 - 1.400 | | | | 04/22/02 | DK |
| BTU/Lb | <500 | | | 1 - 2000 | | | | 04/22/02 | AC |
| % Chloride | <0.50 | | | 5 - 0 | | | | 04/22/02 | JS |
| Flash Point - Deg F | | | | >140 | | | | 01/01/00 | |
| PCBs By GC - mg/kg | | | | <50ppm | | | | 04/22/02 | |
| PCBs-Screen - ppm | | | | <50ppm | | | | 01/01/00 | |
| 2,4,5-T/Silvex - ppm | / | | | | | | | 01/01/00 | |
| PCP Screen - ppm | | | | | | | | 01/01/00 | |
| pH by Meter | | | | | | | | 01/01/00 | |

Dioxin Precursor analysis results below site action levels

Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES

Profile Review for Appendix WAP-C Consituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

TWI Laboratory Analysis Report

Receiver #: 186658

of Drums: 1

Date: 11/19/2001

Profile #: CI5789

Generator: PHILIP SERVICES CORP

Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required

Sample Required

Drum Storage Compatability

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

8A _____ 8B _____ 4/5 _____

| | | |
|----------------------|-------------|------------|
| Sample Number | 191651 | IL04116705 |
| Drum Rep / Comp | BULK/0 | |
| Free Liquid (%) | 100 | |
| Pumpable | YES | |
| Layers/Phases -% Ea. | 100 | |
| Color | brown | |
| Turbidity | transparent | |
| Viscosity | low | |
| Physical State | liquid | |
| Water Miscibility | Misc | |



191651

| Add. Description | | Profile | | Conform | | Date | Initials |
|----------------------|-------------------|----------------|---|---------|----|----------|----------|
| | | | | Yes | No | | |
| Water Reactivity | No RXN | | | | | 11/19/01 | AC |
| Radiation Screen | =BKG | =BKG | | | X | | |
| Flam. Pot. Screen | NEGATIVE | See Flashpoint | | | X | | |
| pH Screen | >12.5 at 100 pcnt | >12.5 | | | X | | |
| Oxidizer Screen | NEGATIVE | As | 0 | Hg | 0 | | |
| Paint Filter Test | | Be | 0 | K | 0 | | |
| Cyanide Screen | NEGATIVE | Cd | 0 | Na | 0 | | |
| Sulfide Screen | NEGATIVE | Cr | 0 | Pb | 0 | | |
| Incidental Odor | No | | | | | | |
| Specific Gravity | 1.14 | 0.800 - 1.400 | | | | 11/19/01 | AC |
| BTU/Lb | 550 | 1 - 2000 | | | | 11/19/01 | GB |
| % Chloride | <0.5 | 5 - 0 | | | | 11/19/01 | KC |
| Flash Point - Deg F | | >140 | | | | 01/01/00 | |
| PCBs By GC - mg/kg | | <50ppm | | | | 11/19/01 | |
| PCBs-Screen - ppm | | <50ppm | | | | 01/01/00 | |
| 2,4,5-T/Silvex - ppm | / | | | | | 01/01/00 | |
| PCP Screen - ppm | | | | | | 01/01/00 | |
| pH by Meter | 13 | | | | | 11/19/01 | AC |

Dioxin Precursor analysis results below site action levels

Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES

Profile Review for Appendix WAP-C Constituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

TWI Laboratory Analysis Report

Receiver #: 179022

of Drums: 1

Date: 7/6/2001

Profile #: C15789

Generator: PHILIP SERVICES CORP

Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required

Sample Required

Drum Storage Compatability

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

8A 8B 4/5

| | | |
|----------------------|---------------|------------|
| Sample Number | 185744 | IL04116754 |
| Drum Rep / Comp | BULK/0 | |
| Free Liquid (%) | 100 | |
| Pumpable | YES | |
| Layers/Phases -% Ea. | 100 | |
| Color | brown | |
| Turbidity | opaque | |
| Viscosity | low | |
| Physical State | liquid | |
| Water Miscibility | Misc | |



185744

| Add. Description | | Profile | | Conform | | Date | Initials |
|----------------------|-------------------|----------------|---|---------|----|----------|----------|
| | | | | Yes | No | | |
| Water Reactivity | No RXN | | | | | 07/06/01 | GB |
| Radiation Screen | =BKG | =BKG | | | X | | |
| Flam. Pot. Screen | NEGATIVE | See Flashpoint | | | X | | |
| pH Screen | >12.5 at 100 pcnt | >12.5 | | | X | | |
| Oxidizer Screen | NEGATIVE | As | 0 | Hg | 0 | | |
| Paint Filter Test | V-Fail | Be | 0 | K | 0 | | |
| Cyanide Screen | POSITIVE | Cd | 0 | Na | 0 | | |
| Sulfide Screen | NEGATIVE | Cr | 0 | Pb | 0 | | |
| Incidental Odor | No | | | | | | |
| Specific Gravity | 1.13 | 0.800 - 1.400 | | | | 07/06/01 | GB |
| BTU/Lb | 550 | 1 - 2000 | | | | 07/06/01 | TS |
| % Chloride | <.5 | 5 - 0 | | | | 07/06/01 | PE |
| Flash Point - Deg F | | >140 | | | | 01/01/00 | |
| PCBs By GC - mg/kg | | <50ppm | | | | 07/06/01 | |
| PCBs-Screen - ppm | | <50ppm | | | | 01/01/00 | |
| 2,4,5-T/Silvex - ppm | / | | | | | 01/01/00 | |
| PCP Screen - ppm | | | | | | 01/01/00 | |
| pH by Meter | 100 pcnt 12.5 | | | | | 07/06/01 | GB |

Dioxin Precursor analysis results below site action levels

Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES

Profile Review for Appendix WAP-C Constituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

APPROVALS REQUEST FORMCIRCLE ONE: AMENDMENT **RECERT** RUSHREQUESTED BY: Cynthia DATE: 1-20-05

GENERATOR INFORMATION:

GENERATOR: Philip Sves

GENERATOR CONTACT NAME: _____

GENERATOR PHONE & FAX: _____

PROFILE/WIP# CI5789 DATE REQUIRED: _____REQUEST: exp 8/8/04

ADDITIONAL INFORMATION:

ROUTE BACK TO REQUESTER: YES X NO _____

REQUEST APPROVED: YES _____ NO _____

REASON NOT APPROVED: _____

REVISED 10/12/00
TC

Report: R7008
DATE: 12/23/02

ONYX ENVIRONMENTAL SERVICES, LLC
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....:
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 08/08/04
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID...: 9530335007
EPA STATUS.....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
FLUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
ARSENIC
BARIUM
CADMIUM
LEAD
ZINC
CHROMIUM

| MIN | - MAX | UNIT DESCRIPTION |
|-----|-------|------------------|
| 0.1 | 10 | % |
| 50 | 99 | % |
| 0 | 0.1 | % |
| 0 | 25 | % |
| 0 | 15 | % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL |
|-----------------|--------------|
| Nickel as Ni | < 200 |
| Thallium as Tl | < 200 |
| Arsenic as As | < 200 |
| Barium as Ba | < 200 |
| Cadmium as Cd | < 200 |
| Chromium tot Cr | < 200 |
| Lead as Pb | < 100 |
| Mercury as Hg | < 0.1 |
| Silver as Ag | < 200 |
| Antimony | < 200 |
| Beryllium | < 200 |
| Potassium | < 2000 |
| Sodium | 57800 |
| Vanadium | < 200 |
| Selenium as Se | < 100 |
| Chromium Hex | < 500 |

ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
mg/l
mg/l

PHYSICAL CHARACTERISTICS

Physical State...: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN TO VARIES
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity..: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 %
Sulfides.....: < 3 PPM
PCB's.....: N/A ppm, Regulated by 40 CFR 761:
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes...: T07
CRO RPT QTY.....: 1
EPA Permit.....: Material Class:
Hazard Class.....: 6.1 EXP:
State Codes.....: 090001
Benzene: NESHA:
Packing Group....: II
Process Codes....: BLL
Cert of Distrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES
TYPE C RESPIR CONST FLOW
N-DEX INNER GLOVE
PVC YELLOW OVR BOOT COVER
SARANEX

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type
Type Code 1 W119
H040

COMMENTS

CHARGE CODE: NS
UNTIL FURTHER NOTICE.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK
RETROCHEM
F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A
PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF

NEIC VP0972E01

Report: R1008
DATE: 12/23/02
PROFILE: C15789

ONYX ENVIRONMENTAL SERVICES, LLC
WASTE PROFILE SUMMARY ADDENDUM Appendix L

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

METHYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report

1021182. SEATTLE WA SHIPMENTS GETS BILLED TO
DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED
CUSTOMER CARRIE ALLEN.

due to restraints of sodium contents effect 6-1-01

KENT WA.
RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER
pe on file exp 6-1-03. Customer pays blh pricing

CONFIRMATION LETTER

December 23, 2002

LINDA CLARK
 PHILIP SERVICES CORP
 20245 77TH AVE S
 KENT, WA 98032-1362

Re: Confirmation Number 4582415

Attention: LINDA CLARK

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

| | |
|---------------------------------|--|
| <u>ONYX Profile Number:</u> | CI5789 TWI |
| <u>Approved Mgmt. Facility:</u> | TRADE WASTE INCINERATION or another ONYX or ONYX approved facility |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Disposal Price:</u> | - \$0.15 per pound, \$2000.00 minimum per shipment applies. - \$0.03 per gallon Illinois State fees. |
| <u>Transportation Price:</u> | - Customer to provide. |
| <u>Demurrage:</u> | - N/A |
| <u>Waste Approval Fees:</u> | - Recert, no charge. - Characterization & unknowns are priced upon request. |
| <u>Pricing Conditions:</u> | - Tanker Rinseout & Heel Removal Fees: - \$500 aqueous rinseout fee (no solids) plus cost of solvent used. - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used. - \$1,000 fee for "P" code triple rinseout plus cost of solvent used if requested. - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies. |

December 23, 2002

Re: Confirmation Number 4582415

- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.
-

Profile Expiration Date: 8/08/04

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative.
Thank you for this opportunity to be of service.

Suzie McCoy

Onyx Environmental Services, LLC

TWI LABORATORY ANALYSIS REPORT

TRACKING #: 4582415 PRIORITY: 97
 PROFILE #: C15789 DATE REQD: 11/04/02
 GENERATOR: PHILIP SERVICES CORP
 WASTE CATEGORY CODE:
 DESCRIPTION: CYANIDE MIXTURE SOLUTION

PROCESS CODE BLL PROFILE # C15789
☐ PCB ANALYSIS REQUIRED
☐ LAB: RECERT ANALYSIS REQUIRED-SEE REQUIRED CMTS BELOW
☒ DIOXIN PRECURSOR ANALYSIS REQUIRED
☐ VISUAL INSPECTION ONLY 5% 100%
☐ VISUAL INSPECTION: GLOVE BOX/HOODED FEEDER
☐ INSPECT OUTER DRUM ONLY - DO NOT OPEN - CMTS BELOW
☐ RECEIVING: VERIFY ORIGINAL CONSUMER LABEL AND
 WRITE LABEL INFO ON PDW
☐ DECANT SAMPLE REQUIRED
☒ SAMPLE REQUIRED

RECEIVER #: _____

MANIFEST#: _____

No. DRUMS: _____

DATE: _____

SAMPLER SIGN: _____

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class 6.1

P=PASS F=FAIL

8A _____ 8B _____ 4/5 _____

| SAMPLE NUMBER | |
|----------------------|---|
| Drum No. | |
| Free Liquid (%) | |
| Pumpable | YES NO |
| Layers/Phases -% Ea. | 1 _____ % 2 _____ % 3 _____ % |
| Color | |
| Turbidity | N/A TnsP TnsL Opq N/A TP TL O N/A TP TL O |
| Viscosity | N/A L M H N/A L M H N/A L M H |
| Physical State | Liq Solid Sludge Semi-sld Liq Sol Slg Ss Liq Sol Slg Ss |
| Water Miscibility | Misc Part Floats Sinks Emuls M P F S E M P F S E |

Add. Description:

| | |
|--------------------|--------------------------------------|
| Water Reactivity | () NO RXN () RXN: |
| Radiation Screen | () =BKG () >BKG: |
| Flam. Pot. Screen | () Neg () Pos () BOC |
| pH Screen | () 100% () 10% |
| Oxidizer Screen | () Neg () Pos |
| Paint Filter Test | () Pass () Fail () V-Fail () N/A |
| Cyanide Screen | () Neg () Pos () N/A |
| Sulfide Screen | () Neg () Pos () N/A |
| Incidental odor | () No () Yes: |
| Specific Gravity | |
| BTU/LB | |
| % Chloride | |
| Flash Point deg. F | |
| PCBs By GC mg/kg | |
| PCBs-Screen ppm | |
| 2,4,5-T/Silvex ppm | |
| PCP Screen ppm | () KIT () GC |
| pH by Meter | () 100% () 10% |

() PCB waived. Does not meet PCB suspect criteria.

ACCEPT / REJECT:

Analytical Comments: ☒ Reference Tracking# / Sample# 4582415 for analysis.
☒ Dioxin Precursor analysis results below site action levels () No additional analysis required () Run on each load
 () Analysis supplied by generator - See Tech. Manager File. () PCB analysis to be determined upon visual inspection of waste

Add. Comments ph may be <12.5, ALKALINITY VARIESPROFILE REVIEW FOR APPENDIX WAP-C CONSTITUENTS BY: CarlDATE: 12-19-02

PROFILE & HANDLING COMMENTS:

() Water Reactive - avoid contact with moisture
☒ Contains Cyanides - DO NOT mix with pH <6 () Benzene NESHAP controls required: () Cert. () No Cert.
 () Poison Inhalation Hazard. () Reactive Category: A B C D E Add. Comments:

Carcinogens: Arsenic, Cadmium, Lead

This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

TRACKING #: 0582415 PRIORITY: 97
 PROFILE #: C15739 DATE RECD: 11/04/02
 GENERATOR: PHILIP SERVICES CORP
 WASTE CATEGORY CODE:
 DESCRIPT: CYANIDE MIXTURE SOLUTION

PHYSICAL DESCRIPTION WORKSHEET

Receiver # _____

Received Date _____

| DRUM # | SIZE/TYPE | O/P | COLOR/DESCRIPTION | % FULL | % SOLID | % LIQUID |
|--------|-----------|-----|-------------------|--------|---------|----------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

TECHNICIAN SIGNATURE _____ DATE _____

LOCATION _____ COMMENTS _____

Net Weight _____

Date 12/19/02
Time 16:43:22

Appendix L
WASTE MANAGEMENT DECISION

Page . . : 1

Location of Original MIDWEST REGIONAL LAB

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

Tracking #: 4582415 Priority : 97
Profile # : CI5789 Date Received: 11/04/02
Effective Date: 12/19/02
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

*** This Decision is APPROVED

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods
Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
Notification & Certification form must
- DOT approved containers.
manifest.

- offloaded will be returned to the generator.
centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using an Illinois

c) Analytical Requirements for Each Load
MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 08/08/04

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) CAROLYN THIERFELDER Date 12/19/02

Date Printed 12/19/02

Onyx Environmental Services, LLC
GENERATOR'S WASTE PROFILE SHEETProfile #
TWI C15789(☐) Check here if this is a Recertification

LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: PHILIP SERVICES CORP Generator USEPA ID: WAD000812909

2. Generator Address: 734 S LUCILE ST Billing Address: PHILIP SERVICES CORP
SEATTLE WA 98108-2631 (☐) Same 20245 77TH AVE S

3. Technical Contact/Phone: TIM SMITH 253/627-7568 Billing Contact/Phone: KENT WA 98032-1362

4. Alternate Contact/Phone: DAVE HAGUE 206/762-3362 Billing Contact/Phone: LINDA CLARK

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (☒) No (☐)

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D005 D006 D007 D008 D009 D010
D011 F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 See attachment 1 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid(☐) Liquid(☒) Both(☐) Gas(☐) B. Single Layer (☒) Multilayer (☐) C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable (☐) B. Strong Odor (☐) describe _____

10. Liquid Flash Point: < 73F (☐) 73-99F (☐) 100-139F (☐) 140-199F (☐) >= 200F (☒) N.A. (☐) Closed Cup (☒) Open Cup (☐)

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|---|-------------------|------------------|
| <u>CYANIDE</u> | <u>0.1 to 10</u> | <u>%</u> |
| <u>WATER</u> | <u>50 to 99</u> | <u>%</u> |
| <u>FLUORIDE</u> | <u>0 to 0.1</u> | <u>%</u> |
| <u>NON-TRI CHEMICALS</u> | <u>0 to 25</u> | <u>%</u> |
| <u>ORGANICS, REGULATED AND NON - REGULATED.</u> | <u>to</u> | |
| <u>INERT INORGANIC SALTS</u> | <u>0 to 15</u> | <u>%</u> |
| <u>TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):</u> | <u>150.100000</u> | See attach2 |

12. OTHER: PCBs if yes, concentration N ppm, PCBs regulated by 40 CFR 761 (☐) Pyrophoric (☐) Explosive (☐)
Radioactive (☐) Benzene if yes, concentration _____ ppm. NESHA (☐) Shock Sensitive (☐) Oxidizer (☐)
Carcinogen (☒) Infectious (☐) Other _____

13. If waste subject to the land ban & meets treatment standards, check here: ☐ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (☐) Bulk Liquid (☒) Drum (☐) Type/Size: TANK Other _____

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 4582415

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. (☐) No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Onyx Environmental to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile C15789
NEIC VP0972504

JOHN S. MATER
Page 207 of 412

OPERATION MANAGER
Name and Title Veolia ES Technical Services
Date Saugat, Illinois

Date Printed 12/19/02

Appendix L

Profile #
TWI C15789

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A or B.1) next to each restriction that is applicable:
☐ HOCs, ☐ PCBs, ☐ Acid, ☐ Metals, ☐ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable: 268.41(a) 268.43(a) | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42 | |
| | | DESCRIPTION | NONE | | | |
| 1 | D002 | Non-CWA, Non-Class 1 managed corrosive char. wastes | | | DEACT | A |
| 2 | D003 | REACTIVE CYANIDES | | | | A |
| 3 | D004 | | X | | | A |
| 4 | D005 | | X | | | A |
| 5 | D006 | | X | | | A |
| 6 | D007 | | X | | | A |
| 7 | D008 | | X | | | A |
| 8 | D009 | LOW MERCURY, < 260 PPM | | | | A |
| 9 | D010 | | X | | | A |
| 10 | D011 | | X | | | A |
| 11 | F001 | | X | | INCIN | A |
| 12 | F002 | | X | | INCIN | A |
| 13 | F003 | | X | | INCIN | A |
| 14 | F004 | | X | | INCIN | A |
| 15 | F005 | | X | | INCIN | A |
| 16 | F006 | | X | | | A |
| 17 | F007 | | X | | | A |
| 18 | F008 | | X | | | A |
| 19 | F009 | | X | | | A |
| 20 | F011 | | X | | | A |
| 21 | F012 | | X | | | A |
| 22 | F019 | | X | | | A |
| 23 | P093 | | X | | INCIN | A |
| 24 | P106 | | X | | | A |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD

B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes, Soil: ☐ Yes, Debris: ☐22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each:

Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTALCyanides: None to Type (free, total, amenable, etc.) Sulfides: ≤ 3 to PPM Type TOTAL

Optional

Phenolics: ≤ 10 to PPM24. Identify the waste color BROWN TO VARIES, DOT physical state Liquid,
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) |
|--|--|
| <p style="text-align: center;">TOTAL</p> <p>Beryllium as Be < 5000 ppm</p> <p>Potassium as K 10000 ppm</p> <p>Sodium as Na 88000 ppm</p> <p>Bromine as Br < 5 %</p> <p>Chlorine as Cl < 5 %</p> <p>Fluorine as F < 5 %</p> <p>Sulfur as S < 5 %</p> | <p style="text-align: center;">RANGE</p> <p>A. Heat Value (Btu/lb): 1- 2000</p> <p>B. Water: _____</p> <p>C. Viscosity (cps): _____ F 100 F 150 F</p> <p>D. Ash: _____ %</p> <p>E. Settleable solids: _____ %</p> <p>F. Vapor Pressure @ STP (mm/Hg): _____</p> <p>G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No _____</p> <p>H. Can this waste be heated to improve flow? Yes _____ No <input checked="" type="checkbox"/></p> <p>I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No _____</p> <p>J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No _____</p> |

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _____

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

and Additional Description if required: (CYANIDE, ARSENIC)

RQ(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: II

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 Lb

E. Non-Bulk code 202 Bulk code 243

F. Special Provisions T42 _____

G. Labels Required POISON OR TOXIC CORROSIVE

28. SPECIAL HANDLING INFORMATION

INDEX/BLUE NITRILE INNER GLOVE

CONTAINS CYANIDES - DO NOT MIX W/PH <6

CARCINOGEN - ARSENIC, CADMIUM, LEAD

_ Material Safety Data Sheets Attached

29. OTHER INFORMATION

GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION.

30. ONYX ENVIRONMENTAL SERVICES CERTIFICATION

Onyx Environmental Services, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by the approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l | | | | TCLP Data TCLP Actual | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | |
|-----------------|--|--------------------------|---------------------|--------------|------------------------------|---|--------------------|-----------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | Actual |
| | | | | | | Less Than | Regulated Level | |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | <200 ppm |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | <200 ppm |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | <200 ppm |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | <200 ppm |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | <100 ppm |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | <0.1 ppm |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | <200 ppm |
| Nickel as Ni | | | | | | | 134 mg/l | <200 ppm |
| Thallium as Tl | | | | | | X | 130 mg/l | <200 ppm |
| Chromium Hex | | | | | | X | 500 mg/l | |
| Antimony | | | | | | | | <200 ppm |
| Beryllium | | | | | | | | <200 ppm |
| Copper | | | | | | | | |
| Vanadium | | | | | | | | <200 ppm |
| Zinc | | | | | | | | |
| Potassium | | | | | | | | <2000 ppm |
| Sodium | | | | | | | | 57800 ppm |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|--|--------------------|---------------------|--------------|---|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Date Printed 12/19/02

Appendix L

Profile #
TWI C15789

ATTACHMENT 1

USEPA WASTE CODE NUMBERS: Additional waste codes NOT included on page 1 of the Waste Profile

F012 F019 P093 P106

ATTACHMENT 2

CHEMICAL COMPOSITION: Additional constituents NOT included on page 1 of the Waste Profile

| Constituents | Range | Unit Description |
|---|-------|------------------|
| ARSENIC | | to |
| BARIUM | | to |
| CADMIUM | | to |
| LEAD | | to |
| ZINC | | to |
| CHROMIUM | | to |
| SILVER | | to |
| SODIUM | | to |
| COMMENTS | | to |
| METALS LISTED UNDER "INERT INORGANIC SALTS" ARE | | to |
| PRESENT AS CATIONIC SPECIES. | | to |
| PHENYLTHIOUREA | 0 to | 1 % |

UHC Constituent Management Method

| | |
|---------------------|---|
| Cyanides (Total) | A |
| Cyanides (Amenable) | A |
| Arsenic | A |
| Cadmium | A |
| Chromium (Total) | A |
| Lead | A |
| Selenium | A |
| Silver | A |

Solvent Constituent Management Method

Date Printed 12/19/02

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
 Master Profile No.: PTA-NC
 Sales Office. . . : PTA
 Location Orig. . . : PTA
 Profile Expires . . : 8/08/04
 Approved. : 12/19/02
 Signed Profile Present: Y Change Pending: N Waste Status: A
 Site (DCS) Status: Z REQ FOR DCS DOWNLOAD
 Prof. Tracking No: 4582415

Fuels Approval.:
 Pumpable Liquid Exact: ___ % OR Range: ___ - ___ %
 Type of Pump. . :
 Additional Anticipated Vol: _____ Per: ___ Unit Code/Des: _____

Handling Codes: 62 NBR GREEN GLOVES 80 N-DEX INNER GLOVE
 64 SARANEX 0D TYPE C RESPIR CONST FLOW
 0F PVC YELLOW OVR BOOT COVER

EPA Data: Status Code: C Tax Code. . :
 Permit No: _____ Expr. Date.: _____ Volume. . :
 Certificate of Destruction or Disposal Required? Y Project # :
 DOT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: ___ Health: ___

Percent Taxable: _____ No. of Labels. . . :
 Tranship Dest . : _____ Download Generator: 1025022
 Material Class.: _____ DCS Generator #.: 5844030974
 Treatment Codes: T07
 Process Codes . : BLL
 Schedule Category : ILLB
 Schedule Interval :
 Listed Solvent Waste: Hal. Org. Compounds.: RCRA Reactive. . . :
 Etiologic. : Water Reactive . . . : Pesticide Mfg. Waste: :
 Ignition Screen : Gas Evolution : Wet Zone :
 Self-heating cube sz : Vapor Concentration Boiling Point F
 Is Gas Ignitable? : Corrosive to Steel or Aluminum Organic Peroxide
 Chemical Family Name

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | G | | | | |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|---------------------------|--------------|------|-------------------|-----|------------|--------------------|
| PETRO CHEM PROCESSING INC | MID980615298 | G | | | | |
| CYANOKEM INC | MID098011992 | G | | | | |
| PHILIP SERVICES CORP | WAD991281767 | I | Y | TWI | 1/26/03 | |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment | Cat | Comment |
|-----|--|-----|---|
| CSR | REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH | CSR | MGR APPROVAL.****F039**** |
| CSR | REVIEWED FOR PHASE II LDR | CSR | GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT |
| CSR | K/RECERT BLL 1-26-03 AFS TWI | CSR | LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS |
| CSR | SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 | CSR | DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO |
| CSR | THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY | CSR | TO THIS PARTICULAR SHIPMENT \$1000.00 |
| CSR | DELIVERY 4-22-02 REQUIRES TRIPLE RINSE | CSR | REF TKG# 4582415 FOR ANALYSIS-APVD 8/8/00 |
| PSC | CHARGE CODE: NS | PSC | F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI |
| PSC | UNTIL FURTHER NOTICE. | PSC | BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. |
| PSC | NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF | PSC | CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE |
| PSC | AND CHARGES | PSC | PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND |
| PSC | PETROCHEM | PSC | DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF |
| PSC | 1021182. SEATTLE WA SHIPMENTS GETS BILLED TO | PSC | KENT WA. |
| PSC | DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED | PSC | RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER |
| PSC | CUSTOMER CARRIE ALLEN. | PSC | pe on file exp 6-1-03. Customer pays blh pricing |
| PSC | due to restraints of sodium contents effect 6-1-01 | | |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|-------|
| WSTTP | W119 |
| TPCDI | H040 |
| SRCCD | G19 |
| TWAD | Y |

Appendix L

Date Printed 12/19/02

Profile Change HistoryProfile #
TWI CI5789

This section lists comments describing changes made to the profile.

| Profile Change Comments | Date | User |
|--|----------|-----------|
| MRL/BP3414 Entire profile copied to MRL/CI5789 | 1/19/98 | WM0911TTT |
| / | 1/19/98 | WM0911TTT |
| TWI APPROVAL | 2/04/98 | WM0911TTT |
| MRL/CI5789 Entire profile copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| X | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST | 5/21/98 | WM0911CAT |
| RECEIPT AND LAN BAN | 5/21/98 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| LHB/ Added Cyanokem- Philip location per Mike | 7/30/98 | WM0233LHB |
| Ulendorf of Philip in Renton, WA | 7/30/98 | WM0233LHB |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| PTA RECERT. | 1/26/99 | WM0346RJL |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| REMOVED P039-UNACCEPTABLE AT TWI UNTIL FURTHER | 10/28/99 | WM0911KES |
| NOTICE. | 10/28/99 | WM0911KES |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| ADDED 1009166 AS A GENERATOR | 2/11/00 | WM0233JLM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| UPDATED FOR TWI RECERT | 3/12/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| ADDED P093 PER CUSTOMER | 10/31/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/31/01 | WM0911KEM |
| ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER. | 10/31/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/31/01 | WM0911KEM |

Date Printed 12/19/02

Schedule Categories

Profile #
TWI CI5789

| Category | Description | Container |
|----------|--------------------|-------------|
| ILLB | Low BTU Bulk Liqui | Tank Trucks |

Pricing Comments

Disposal Price

- Need PE if off-gate, no min, or no approval fee
- \$2,000 minimum applies.
- If T & D bundled 40,000 pound minimum applies.
- Illinois Hazardous Fees: \$.03 per gallon or \$6.06 per cubic yard.

Transportation Price

- Load/Trip/Mile
- \$425 minimum for trips less than 100 miles.
- \$3.60 per loaded mile.
- \$150 per day tanker rental.
- Fuel surcharge will apply based on the U.S. Average Retail On-Highway Diesel Prices.
- Direct inject tankers may incur additional cost.
- Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the customer to the disposal facility.

Demurrage

- \$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Tanker Rinseout & Heel Removal Fees:
 - \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
 - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
- \$75.00 per drum for any overpacked material.
- Discrepant material will be surcharged on a case-by-case basis.

Appendix L

Date 12/19/02
Time 16:40:32

WAR

Page . . . : 1
Program . . : R7004RPT
User . . . : WM0911DAG

Report: 7004

Version: 4A.00

This Report is intended for the use and benefit of Waste Management and its companies. No representation concerning significance of the reported data is made to any other person or entity.

| | |
|--|---|
| Tracking Number : 4582415 | Profile : CI5789 |
| Site Name . . . : MIDWEST REGIONAL LAB | Generator Name . : PHILIP SERVICES CORP |
| Waste Description : CYANIDE MIXTURE SOLUTION | Date Received . . : 11/04/02 |
| Priority Code . . : 97 | Approved : N |

FINGERPRINT

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|----------------------|-------------------|--------|------------------|---------------|------------------|-------------|
| LAYERS | | 01 | 3 | | 8/08/00 | DAG |
| PERCENT FREE LIQUIDS | | 01 | 99 | % | 8/08/00 | DAG |
| WATER SOLUBILITY | | 01 | TOP INSOL FLOATS | | 8/08/00 | DAG |
| VISCOSITY | | 01 | LOW/LOW/NA | | 8/08/00 | DAG |
| CYANIDE SCREEN | | 01 | NEG | | 8/08/00 | DAG |
| OXIDIZER SCREEN | | 01 | NEG | | 8/08/00 | DAG |
| SULFIDE SCREEN | | 01 | NEG | | 8/08/00 | DAG |
| RADIATION SCREEN | | 01 | BACKGROUND | | 8/08/00 | DAG |
| pH BY PAPER | | 01 | 9 | Std Unit | 8/08/00 | DAG |

PCBS

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| PCB's | | 01 < | 5 | MG/KG | 8/08/00 | DAG |

WET CHEMISTRY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|--------------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| HEATING VALUE | | 01 | 680 | BTU/LB | 8/08/00 | DAG |
| CHLORINE | | 01 < | 5 | % | 8/08/00 | DAG |
| FLASH POINT - CLOSED CUP | | 01 | 147 | DEG F | 8/08/00 | DAG |

Comments:

WATER SOLUBILITY-MIDDLE SOL,BOTTOM PART SINK
SILVEX <65 PPM
2,4,5-T <65 PPM
PCP <100 PPM
WAR copied from tracking# 4553323, profile# BY4013

TWI LABORATORY ANALYSIS REPORT

TRACKING #: 4566666 PRIORITY: 97
 PROFILE #: C15789 DATE RECD: 3/12/91
 GENERATOR: PHILIP SERVICES CORP
 WASTE CATEGORY CODE:
 DESCRIPTION: CYANIDE MIXTURE SOLUTION

PROCESS CODE

BLL

PROFILE #

C15789

☐ PCB ANALYSIS REQUIRED☒ LAB: RECERT ANALYSIS REQUIRED-SEE REQUIRED CMTS BELOW☒ DIOXIN PRECURSOR ANALYSIS REQUIRED☐ VISUAL INSPECTION ONLY 5% 100%☐ VISUAL INSPECTION: GLOVE BOX/HOODED FEEDER☐ INSPECT OUTER DRUM ONLY - DO NOT OPEN - CMTS BELOW☐ RECEIVING: VERIFY ORIGINAL CONSUMER LABEL AND WRITE LABEL INFO ON PDW☐ DECANT SAMPLE REQUIRED☒ SAMPLE REQUIRED

RECEIVER #: _____

MANIFEST#: _____

No. DRUMS: _____

DATE: _____

SAMPLER SIGN: _____

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class

6.1

P=PASS

F=FAIL

8A _____

8B _____

4/5 _____

SAMPLE NUMBER

Drum No. _____

Free Liquid (%) _____

Pumpable YES NO

Layers/Phases -% Ea. 1 _____ % 2 _____ % 3 _____ %

Color _____

Turbidity N/A TnsP TnsL Opq N/A TP TL O N/A TP TL O

Viscosity N/A L M H N/A L M H N/A L M H

Physical State Liq Solid Sludge Semi-sld Liq Sol Slg Ss Liq Sol Slg Ss

Water Miscibility Misc Part Floats Sinks Emls M P F S E M P F S E

Add. Description: _____

Water Reactivity ☐ NO RXN ☐ RXN:Radiation Screen ☐ =BKG ☐ >BKG:Flam. Pot. Screen ☐ Neg ☐ Pos ☐ BOCpH Screen ☐ 100% ☐ 10%Oxidizer Screen ☐ Neg ☐ PosPaint Filter Test ☐ Pass ☐ Fail ☐ V-Fail ☐ N/ACyanide Screen ☐ Neg ☐ Pos ☐ N/ASulfide Screen ☐ Neg ☐ Pos ☐ N/AIncidental odor ☐ No ☐ Yes:

Specific Gravity _____

BTU/LB _____

% Chloride _____

Flash Point deg. F _____

PCBs By GC mg/kg _____

PCBs-Screen ppm _____

2,4,5-T/Silvex ppm _____

PCP Screen ppm ☐ KIT ☐ GCpH by Meter ☐ 100% ☐ 10%☐ PCB waived. Does not meet PCB suspect criteria.

ACCEPT / REJECT:

Analytical Comments: ☒ Reference Tracking# / Sample# 537271/42138 for analysis.☒ Dioxin Precursor analysis results below site action levels ☒ No additional analysis required ☐ Run on each load☐ Analysis supplied by generator - See Tech. Manager File. ☐ PCB analysis to be determined upon visual inspection of waste

Add. Comments run PCB's and CCFP on 1st load and copy to approvals

PROFILE REVIEW FOR APPENDIX WAP-C CONSTITUENTS BY: K. Martin

DATE: 3-12-01

PROFILE & HANDLING COMMENTS:

☐ Water Reactive - avoid contact with moisture☒ Contains Cyanides - DO NOT mix with pH <6 ☐ Benzene NESHAP controls required: ☐ Cert. ☐ No Cert.☐ Poison Inhalation Hazard ☐ Reactive Category: A B C D E Add. Comments:

Carcinogens: Arsenic, Cadmium, Lead

This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

Veolia ES Technical Services
 Sauget, Illinois

FPFM998.XLS KS

Report: R7008
DATE: 10/31/01

ONYX ENVIRONMENTAL SERVICES, INC
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
LEPT.....: ..
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 01/26/03
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID..: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
FLUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
ARSENIC
BARIUM
CADMIUM
LEAD
ZINC
CHROMIUM

| MIN | - MAX | UNIT DESCRIPTION |
|-----|-------|------------------|
| 0.1 | 10 | % |
| 50 | 99 | % |
| 0 | 0.1 | % |
| 0 | 25 | % |
| 0 | 15 | % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL |
|-----------------|--------------|
| Nickel as Ni | < 200 |
| Thallium as Tl | < 200 |
| Arsenic as As | < 200 |
| Barium as Ba | < 200 |
| Cadmium as Cd | < 200 |
| Chromium tot Cr | < 200 |
| Lead as Pb | < 100 |
| Mercury as Hg | < 0.1 |
| Silver as Ag | < 200 |
| Antimony | < 200 |
| Beryllium | < 200 |
| Potassium | < 2000 |
| Sodium | 57800 |
| Vanadium | < 200 |
| Selenium as Se | < 100 |
| Chromium Hex | < 500 |

| <u>PHYSICAL CHARACTERISTICS</u> | |
|---------------------------------|-----------------------|
| Physical State.... | Liquid |
| Flash Point..... | > = 200 |
| pH..... | 12.5 - 14.0 |
| Color..... | BROWN |
| Odor..... | NONE |
| Layers..... | Single Layer |
| Specific Gravity.. | 0.800 - 1.400 |
| Free Liquids..... | 95 - 100 |
| Cyanides..... | 0.1 To 10.0 % |
| Sulfides..... | < 3 PPM |
| PCB's..... | N/A |
| Phenolics..... | < 10 PPM |
| % Taxable..... | DOT UN/NA NBR: UN2927 |
| Treatment Codes.. | T07 |
| CRO RPT QTY..... | 1 |
| EPA Permit..... | Material Class: |
| Hazard Class..... | EXP: |
| State Codes..... | 090001 |
| Benzene | NESHAP: |
| Packing Group..... | II |
| Process Codes.... | BLL |
| Cert of Distrct Rq: | Y |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

| <u>HANDLING</u> | |
|--------------------------|---------------------------|
| NBR GREEN GLOVES | N-DEX INNER GLOVE |
| TYPE C RESPIR CONST FLOW | PVC YELLOW OVR BOOT COVER |

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

| <u>DOT PROPERTIES</u> | |
|-----------------------|--------------|
| Inhalation: 2 | Dermal: 2 |
| Oral: 2 | Flammable: 0 |
| Health: 0 | |

| <u>SUMMARY</u> | |
|----------------|------|
| Waste Type | B107 |
| Form Code | 1 |

| <u>COMMENTS</u> | |
|--|--|
| CHARGE CODE: NS UNTIL FURTHER NOTICE. NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF AND CHARGES PETROCHEM | F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF |

NEIC VP0972E01

Report: R1008
DATE: 10/31/01
PROFILE: CI5789

ENVIRONMENTAL SERVICES, Appendix L
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM
COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

HENYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report
1021182. SEATTLE WA SHIPMENTS GETS BILLED TO KENT WA.

APPROVALS REQUEST FORM

CIRCLE ONE:

AMENDMENT

RECERT

RUSHREQUESTED BY: KenDATE: 10/31/01

GENERATOR INFORMATION:

GENERATOR: Phillip ENVGENERATOR CONTACT NAME: KenGENERATOR PHONE & FAX: 206 762 3362PROFILE/WIP# CI5789 DATE REQUIRED: 10/31REQUEST: Add P093 Thirouca phenyl 0-1%

ADDITIONAL INFORMATION:

ROUTE BACK TO REQUESTER: YES X NO REQUEST APPROVED: YES X NO

REASON NOT APPROVED:

REVISED 10/12/00
TC

Discrepancy Report

Date: 5/31/01 Originator: McCoy Generator: Philips Seattle WAReceiver: _____ Profile: CI5789 Manifest Number: _____ Line #: _____

of Drums Received: _____ # of Drums Discrepant: _____ Location: _____

TWI Drum #'s: _____

Generator Drum #'s: _____

Detail Discrepancy Chart

| Parameter | Drum # | Should be: | Is: | Comments: |
|-----------|--------|------------|-----|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Detail Discrepancy: Check Manifested Load FOR "P-Code" If
Load contains P106 It will require Triple RinseCustomer Contact Name: Ken Allen Phone#: _____Fax #: _____ Date(s) Contacted: 5/30/01Resolution: REPORT TO TANK Farm if Tanker Needs Triple RinseTANK Farm to sign OFF
FOR Triple Rinse

Reprofiling Information

New Profile #: _____ New D.O.T.: _____ X

Applicable E.P.A. Waste Codes: _____

Manifest Line Items: _____

Billing Information

Price Change: Yes X No _____ Price Changed From: _____ Price Changed To: _____

Reject _____ Trans-ship _____ Outgoing Manifest: _____ Line #: _____

Reject / Trans-ship Destination: _____ Date Left: _____

TWI Drum #(s) Rejected: _____ Credit Customer: Yes _____ No _____

Weight of rejects if billed by pound: _____ Purchase Order #: _____

Transportation Fees: _____ Disposal Fees: _____

Person Responsible for the above fees: Generator X TWI _____ Was Generator notified of fees? Yes X No _____Person Notified: Ken Allen, Kent WA Date: 5/30/01

Report: R7008
DATE: 03/14/01

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 01/26/03
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID...: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
FLUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
ARSENIC
BARIUM
CADMIUM
LEAD
ZINC
CHROMIUM

| MIN | - MAX | UNIT DESCRIPTION |
|-----|-------|------------------|
| 0.1 | 10 | % |
| 50 | 99 | % |
| 0 | 0.1 | % |
| 0 | 25 | % |
| 0 | 15 | % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

METALS TCA OR TOTAL

| | | |
|-----------------|--------|------|
| Nickel as Ni | < 200 | ppm |
| Thallium as Tl | < 200 | ppm |
| Arsenic as As | < 200 | ppm |
| Barium as Ba | < 200 | ppm |
| Cadmium as Cd | < 200 | ppm |
| Chromium tot Cr | < 200 | ppm |
| Lead as Pb | < 100 | ppm |
| Mercury as Hg | < 0.1 | ppm |
| Silver as Ag | < 200 | ppm |
| Antimony | < 200 | ppm |
| Beryllium | < 200 | ppm |
| Potassium | < 2000 | ppm |
| Sodium | 57800 | ppm |
| Vanadium | < 200 | ppm |
| Selenium as Se | < 100 | mg/l |
| Chromium Hex | < 500 | mg/l |

PHYSICAL CHARACTERISTICS

Physical State....: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity..: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 % TOTAL
Sulfides.....: < 3 PPM TOTAL
PCB's.....: N/A ppm, Regulated by 40 CFR 761:
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes...: T07
CRO RPT QTY.....: 1 Material Class:
EPA Permit.....: EXP:
Hazard Class.....: 6.1
State Codes.....: 090001
Benzene: NESHAP:
Packing Group....: II
Process Codes....: BLL
Cert of Distrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES
TYPE C RESPIR CONST FLOW

N-DEX INNER GLOVE
PVC YELLOW OVR BOOT COVER

SARANEX

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type B107
Form Code 1

COMMENTS

CHARGE CODE: NS
F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
HILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE
PHILLIPS IS NOT OWNER OF PHILLIPS, CYANAKEM AND

NEED WEIGHT
UNTIL FURTHER NOTICE.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
AND CHARGES
PETROCHEM Page 241 of 412

Report: B7008
Date: 03/14/01
Profile: CI5789

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS
METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

Report: R7008
DATE: 03/14/01

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 01/26/03
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID...: 9530335007
EPA STATUS.....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
FLUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
ARSENIC
BARIUM
CADMIUM
LEAD
ZINC
CHROMIUM

| MIN | - MAX | UNIT DESCRIPTION |
|-----|-------|------------------|
| 0.1 | | 10 % |
| 50 | | 99 % |
| 0 | | 0.1 % |
| 0 | | 25 % |
| 0 | | 15 % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL |
|-----------------|--------------|
| Nickel as Ni | < 200 |
| Thallium as Tl | < 200 |
| Arsenic as As | < 200 |
| Barium as Ba | < 200 |
| Cadmium as Cd | < 200 |
| Chromium tot Cr | < 200 |
| Lead as Pb | < 100 |
| Mercury as Hg | < 0.1 |
| Silver as Ag | < 200 |
| Antimony | < 200 |
| Beryllium | < 200 |
| Potassium | < 2000 |
| Sodium | 57800 |
| Vanadium | < 200 |
| Selenium as Se | < 100 |
| Chromium Hex | < 500 |

ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
mg/l
mg/l

PHYSICAL CHARACTERISTICS

Physical State...: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity.: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 %
Sulfides.....: < 3 PPM
PCB's.....: N/A ppm, Regulated by 40 CFR 761:
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes..: T07
CRQ RPT QTY.....: 1 Material Class:
EPA Permit.....: EXP:
Hazard Class.....: 6.1
State Codes.....: 090001
Benzene: NESHAP:
Packing Group....: II
Process Codes....: BLL
Cert of Distrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES
TYPE C RESPIR CONST FLOW
N-DEX INNER GLOVE
PVC YELLOW OVR BOOT COVER
SARANEX

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type
Form Code
B107
1

COMMENTS

CHARGE CODE: NS
F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
HILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE
PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
NEED WEIGHT
UNTIL FURTHER NOTICE.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
AND CHARGES
PETROCHEM

Report: R1008
DATE: 03/14/01
PROFILE: C15789

CHEMICAL WASTE MANAGEMENT, INC. Appendix L
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

TRACKING #: 4550005 PRIORITY: 97
 PROFILE #: 010709 DATE KICK: 11/17/17
 GENERATOR: PHILIP SP. W. ZS CORP
 HAZARDOUS CATEGORY CODE:
 DESCRIPTION: CYANIDE MIXTURE SOLUTION

PHYSICAL DESCRIPTION WORKSHEET

Receiver # _____

Received Date _____

| DRUM # | SIZE/TYPE | O/P | COLOR/DESCRIPTION | % FULL | % SOLID | % LIQUID |
|--------|-----------|-----|-------------------|--------|---------|----------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
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| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

TECHNICIAN SIGNATURE _____ DATE _____

LOCATION _____ COMMENTS _____

Net Weight _____

CONFIRMATION LETTER

March 14, 2001

KEN ALLEN
PHILIP SERVICES CORP
20245 77TH AVE S
KENT, WA 98032-1362

Re: Confirmation Number 4560606

Attention: KEN ALLEN

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

| | |
|---------------------------------|--|
| <u>ONYX Profile Number:</u> | CI5789 TWI |
| <u>Approved Mgmt. Facility:</u> | TRADE WASTE INCINERATION or another ONYX or ONYX approved facility |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Disposal Price:</u> | - \$0.15 per pound, \$2000.00 minimum per shipment applies. - \$0.03 per gallon Illinois State fees. |
| <u>Transportation Price:</u> | - Customer to provide own transportation. - Direct inject tankers may incur additional cost. - Cancelled loads require 48-hour notice or they will be billed at the regular trip rate. - Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility. |
| <u>Demurrage:</u> | - N/A, Customer to provide own transportation. |
| <u>Waste Approval Fees:</u> | - Recert approval, no charge. - Characterization & unknowns are priced upon request. |
| <u>Pricing Conditions:</u> | - Tanker Rinseout & Heel Removal Fees: - \$500.00 Aqueous Rinseout (no solids) plus cost of solvent used. - \$1000.00 rinseout fee with <50 gallons of |

March 14, 2001

Re: Confirmation Number 4560606

- rinsable solids plus cost of solvent used.
- \$1000.00 fee for "P" code Triple rinseout plus cost of solvent used.
- \$1000.00 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of >50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date: 1/26/03

- Special Conditions:
- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
 - Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
 - A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
 - DOT approved containers.
 - All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

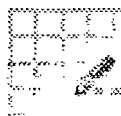
March 14, 2001

Re: Confirmation Number 4560606


If you have any questions or would like to make changes to the profile, please contact your representative.
Thank you for this opportunity to be of service.

Suzie McCoy

Onyx Environmental Services, LLC

 **Suzie McCoy**
03/14/2001 09:21 AM

To: Craig Ragland/OnyxES
cc:

Subject: Re: Philip Services Nat'L Incineration Pricing 

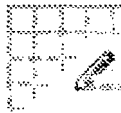
Craig

I am not supposed to send out any recert contract at existing pe pricing that is getting ready to expire without first review by Wayne Fischer. I will hold this and discuss with him. Wayne or myself will let you know what Wayne decision is about the recert contract price.

Okay.

Suzie

Craig Ragland

 **Craig Ragland**
03/14/2001 08:44 AM

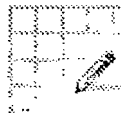
To: Suzie McCoy/OnyxES@Onyx
cc:

Subject: Re: Philip Services Nat'L Incineration Pricing 

There was only 1 pe submitted but Jimmy Campbell and I had input on the spreadsheet. Vince authored the pe and spreadsheet but each TPM manages the accounts in thier territory. I thought the PE was nationwide but I saw Vince's note to you it was regional. I will use that pricing as a guideline for the KC and Pacific Northwest locations as well. If there is not something specifically covered on the spreadsheet go with the market rate. The PE is set to expire 5-31 so that we can push for a price increase at that time.

less confused.

Suzie McCoy

 **Suzie McCoy**
03/14/2001 08:05 AM

To: Craig Ragland/OnyxES@Onyx
cc:

Subject: Re: Philip Services Nat'L Incineration Pricing 

Craig

I did not call you because I think I have a pe that covers ALL Philips locations per Wayne Fishers notes of 1-23-01.

It indicates that the price for a BLL would be \$0.9/#, \$2000.min.

So is this right? And if so, I just want to know what we will charge for Triple Rinse since pe only references cleanouts/washouts.

Also this expires 5-31-01: so was the intention to change the price after 5-31-01 and if so what would it be so I can send recert contract for correct pricing.

Confused.

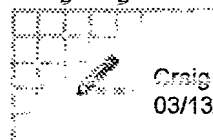
Do not use This
price per Wayne F 3/14/01
USE Gate
.15/#
Same as Before
Recert
JW

I will send you a copy via email what I am looking at dated 1-23-01.

Let me know.

Suzie

Craig Ragland



Craig Ragland
03/13/2001 08:58 PM

To: Suzie McCoy/OnyxES@Onyx
cc:

Subject: Re: Philip Services Nat'L Incineration Pricing

Suzie,
Always ask me for pricing in my region first. Use the standard rinse out. What was the price on the stream?
Craig

----- Forwarded by Craig Ragland/OnyxES on 03/13/2001 08:55 PM -----

**VINCE
PUHL**

03/13/2001 03:53 PM

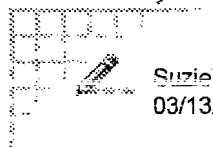


To: Suzie McCoy/OnyxES@Onyx
cc: Craig Ragland/OnyxES@Onyx, Jim Campbell/OnyxES@Onyx
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Let me know what you decide. It is my intention to keep a single spreadsheet for PSC and add any pricing so we are all on the same page. That way we can treat the pricing as national, but have it entered on a regional basis as far as PE's go.

Suzie McCoy



Suzie McCoy
03/13/2001 08:53 AM

To: Vince Puhl/OnyxES@Onyx
cc:
Subject: Philip Services Nat'L Incineration Pricing



Hello Vince

Appendix L

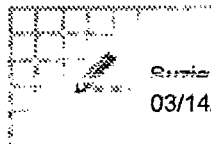
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I have a copy of the Natl Pricing effective 1-15-01; however it does not detail what the price is for "P-Listed" Triple Rinse. Our standard pricing is \$1000.00.

On this particular profile the p code would apply. What shall I put in the contract for Triple Rinse?

Please reply

Thx Suzie



Suzie McCoy
03/14/2001 07:44 AM

To: Craig Ragland/OnyxES
cc:

Subject: Re: Philip Services Nat'L Incineration Pricing

Craig

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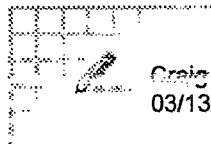
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Suzie

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Craig Ragland
03/13/2001 08:58 PM

To: Suzie McCoy/OnyxES@Onyx
cc:

Subject: Re: Philip Services Nat'L Incineration Pricing

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VINCE

PUHL

03/13/2001 03:53 PM

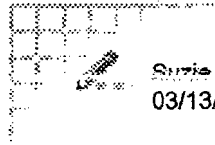


To: Suzie McCoy/OnyxES@Onyx
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Subject: Re: Philip Services Nat'L Incineration Pricing

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Suzie McCoy



Suzie McCoy
03/13/2001 08:53 AM

To: Vince Puhl/OnyxES@Onyx
cc:
Subject: Philip Services Nat'L Incineration Pricing



Hello Vince

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I have a copy of the Natl Pricing effective 1-15-01; however it does not detail what are price is for "P-Listed" Triple Rinse. Our standard pricing is \$1000.00.

On this particular profile the p code would apply. What shall I put in the contract for Triple Rinse?

Please reply

Thx Suzie

stream?
Craig

----- Forwarded by Craig Ragland/OnyxES on 03/13/2001 08:55 PM -----

**VINCE
PUHL**

03/13/2001 03:53 PM

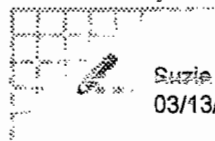


To: Suzie McCoy/OnyxES@Onyx
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Subject: Re: Philip Services Nat'L Incineration Pricing

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Suzie McCoy
03/13/2001 08:53 AM

To: Vince Puhl/OnyxES@Onyx
cc:
Subject: Philip Services Nat'L Incineration Pricing

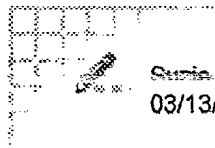


Hello Vince

I have a recent profile for Philip Services in Seattle Wa (C15789)
I have a copy of the Natl Pricing effective 1-15-01; however it does not detail what the price is for "P-Listed" Triple Rinse. Our standard pricing is \$1000.00.
On this particular profile the p code would apply. What shall I put in the contract for Triple Rinse?

Please reply

Thx Suzie



Suzie McCoy

03/13/2001 08:49 AM

To: Vince Puhl/OnyxES,
cc:

Subject: Philip Services Nat'L Incineration Pricing

Hello Vince

I have a recent profile for Philip Services in Seattle Wa (CI5789)

I have a copy of the Natl Pricing effective 1-15-01; however it does not detail what are price is for "P-Listed" Triple Rinse. Our standard pricing is \$1000.00.

On this particular profile the p code would apply. What shall I put in the contract for Triple Rinse?

Please reply.

Thx Suzie

SAFETY & PPE PREPARATION SHEET**PPE AS400 HANDLING CODES****GLOVES**

- | | |
|--|--|
| <input type="checkbox"/> 60 GLOVES | <input type="checkbox"/> 79 BUTYL RUBBER GLOVE |
| <input type="checkbox"/> 61 or 75 PVC GLOVE | <input checked="" type="checkbox"/> 80 N-DEX INNER GLOVE |
| <input checked="" type="checkbox"/> 62 or 76 NITRILE (NBR) GLOVE | <input type="checkbox"/> 81 4H INNER GLOVE |
| <input type="checkbox"/> 63 or 77 NEOPRENE GLOVE | <input type="checkbox"/> 82 VITON GLOVE |
| <input type="checkbox"/> 78 PVA GLOVE | <input type="checkbox"/> 83 NITTY GRITTY GLOVE |
| <input type="checkbox"/> PSC COMMENT – KAPPLER's CHEM-TAPE 2 | |

PERSONAL PROTECTIVE EQUIPMENT

- | | |
|--|------------------------------------|
| <input type="checkbox"/> 84 PPE | <input type="checkbox"/> 90 NOMEX |
| <input type="checkbox"/> 85 TYVEK PROSHIELD I, II | <input type="checkbox"/> 91 (OPEN) |
| <input checked="" type="checkbox"/> 64 or 86 SARANEX | <input type="checkbox"/> 92 (OPEN) |
| <input type="checkbox"/> 88 CPF 3 | <input type="checkbox"/> 93 (OPEN) |
| <input type="checkbox"/> 89 CPF 4 | |

RESPIRATORY PROTECTION

- | | |
|--|---|
| <input type="checkbox"/> 94 RESPIRATORY PROTECTION | <input type="checkbox"/> 97 COMBINATION ORG/ACID GAS |
| <input type="checkbox"/> 67 PESTICIDE CARTRIDGE | <input type="checkbox"/> 0A ACID CARTRIDGE |
| <input type="checkbox"/> 70 AMMONIA GAS CARTRIDGE | <input type="checkbox"/> 0B ORGANIC CARTRIDGE |
| <input type="checkbox"/> 71 or 95 FULL-FACE RESPIRATOR | <input type="checkbox"/> 0C DUST CARTRIDGE |
| <input type="checkbox"/> 96 HEPA CARTRIDGE | <input checked="" type="checkbox"/> 0D TYPE C RESPIR. CONSTANT FLOW |

BOOTS

- | | |
|---|--|
| <input type="checkbox"/> 0E BOOTS | <input type="checkbox"/> 0G YELLOW RUBBER OVERBOOT |
| <input checked="" type="checkbox"/> 0F PVC YELLOW OVER BOOT COVER | <input type="checkbox"/> 0H BLACK OVER THE SOCK BOOT |

2 INHALATION2 DERMAL0 INGESTION

LIST OTHER PPE: _____

COMMENTS: _____

RETURN FILE TO: Suzie Maintenance: _____ Confirmation: X MAS: X

(Revised 4/25/00)

PE
 NAT
 PRICE
 1-15-01-11-15-02X

APPROVALS REQUEST FORMCIRCLE ONE: AMENDMENT RECERT RUSHREQUESTED BY: Ken Allen / S McCoy DATE: 3/12/01

GENERATOR INFORMATION:

GENERATOR: Philip ServicesGENERATOR CONTACT NAME: Ken Allen, Seattle WAGENERATOR PHONE & FAX: 206 762 3362PROFILE/WIP# CI5789 DATE REQUIRED: 3/14/01REQUEST: Did not automatically recert
expired 1/01. Customer
wants to ship

ADDITIONAL INFORMATION:

ROUTE BACK TO REQUESTER: YES X NO REQUEST APPROVED: YES X NO

REASON NOT APPROVED:

REVISED 10/12/00
TC

WASTE MANAGEMENT DECISION

Page . . : 1

Date 3/12/01

Time 17:02:37

Location of Original MIDWEST REGIONAL LABI. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

Tracking #: 4560606 Priority : 97
Profile # : CI5789 Date Received: 03/12/01
Effective Date: 03/12/01
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

*** This Decision is APPROVED

II. Decision to Deny Approval for Management of WasteReason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods
Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
Notification & Certification form must
- DOT approved containers.
manifest.

- offloaded will be returned to the generator.
centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using an Illinois

c) Analytical Requirements for Each Load
MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 01/26/03

IV. Final DecisionState any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) KELLY MEREDITH Date 03/12/01

Date Printed 03/12/01

Onyx Environmental Services, LLC
GENERATOR'S WASTE PROFILE SHEETProfile #
TWI CI5789

(-) Check here if this is a Recertification

LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: PHILIP SERVICES CORP

Generator USEPA ID: WAD000812909

2. Generator Address: 734 S LUCILE ST

Billing Address: CYANOKEM INC

(-) Same

12381 SCHAEFER HWY

SEATTLE WA 98108-2631

3. Technical Contact/Phone: TIM SMITH 253/627-7568

DETROIT MI 48227-3421

4. Alternate Contact/Phone: DAVE HAGUE 206/762-3362

Billing Contact/Phone:

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No (-)

B. Identify ALL USEPA listed and characteristic waste code numbers (D,P,X,P,U): D002 D003 D004 D005 D006 D007 D008 D009 D010

D011 F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 F012 F019 P106 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid(-) Liquid(X) Both(-) Gas(-) B. Single Layer (X) Multilayer (-) C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable (-) B. Strong Odor (-);describe

10. Liquid Flash Point: < 73F (-) 73-99F (-) 100-139F (-) 140-199F (-) >= 200F (X) N.A. (-) Closed Cup (X) Open Cup (-)

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

Constituents Range Unit Description

CYANIDE 0.1 to 10 %

WATER 50 to 99 %

FLUORIDE 0 to 0.1 %

NON-TRI CHEMICALS 0 to 25 %

ORGANICS, REGULATED AND NON - REGULATED. to

INERT INORGANIC SALTS 0 to 15 %

TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): 149.100000

See attach2

12. OTHER: PCBs if yes, concentration N ppm, PCBs regulated by 40 CFR 761 (-). Pyrophoric (-) Explosive (-)
Radioactive (-) Benzene if yes, concentration ppm. WESHAP (-) Shock Sensitive (-) Oxidizer (-)
Carcinogen (X) Infectious (-) Other

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (-) Bulk Liquid (X) Drum (-) Type/Size: TANK Other

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

Sample Tracking Number: 4531060

16a. Sample source (drum, lagoon, pond, tank, vat, etc.):

Date Sampled: Sampler's Name/Company:

16b. Generator's Agent Supervising Sampling: 17. (-) No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Onyx Environmental to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile CI5789

JOHN S. MAIER

OPERATION MANAGER

4/10/95

Signature
NEIC VP0972E01

Page 277 of 412

Name and Title

Date
Veolia ES Technical Services
Sauget, Illinois

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A, B.1 or B.2) next to each restriction that is applicable:

___ HOCs, ___ PCBs, ___ Acid, A Metals, A Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | C. APPLICABLE TREATMENT STANDARDS | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|----|---|---|--|---|---|
| | | | PERFORMANCE- BASED: Check as applicable: | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | DESCRIPTION | NONE | 268.41(a) 268.43(a) | 268.42 |
| 1 | D002 | Non-CWA, Non-Class 1 managed corrosive char. wastes | | | DEACT |
| 2 | D003 | REACTIVE CYANIDES | | | A |
| 3 | D004 | | X | | A |
| 4 | D005 | | X | | A |
| 5 | D006 | | X | | A |
| 6 | D007 | | X | | A |
| 7 | D008 | | X | | A |
| 8 | D009 | LOW MERCURY, < 260 PPM | | | A |
| 9 | D010 | | X | | A |
| 10 | D011 | | X | | A |
| 11 | F001 | | X | | INCIN |
| 12 | F002 | | X | | INCIN |
| 13 | F003 | | X | | INCIN |
| 14 | F004 | | X | | INCIN |
| 15 | F005 | | X | | INCIN |
| 16 | F006 | | X | | A |
| 17 | F007 | | X | | A |
| 18 | F008 | | X | | A |
| 19 | F009 | | X | | A |
| 20 | F011 | | X | | A |
| 21 | F012 | | X | | A |
| 22 | F019 | | X | | A |
| 23 | P106 | | X | | A |
| | | | | | |
| | | | | | |
| | | | | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes, Soil: ☐ Yes, Debris: ☐22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each: Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTALCyanides: None to Type (free, total, amenable, etc.) Sulfides: ≤ 3 to PPM Type TOTALOptional
Phenolics: ≤ 10 to PPM24. Identify the waste color BROWN, DOT physical state Liquid,
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) |
|--|--|
| <p style="text-align: center;">TOTAL</p> <p>Beryllium as Be < 5000 ppm</p> <p>Potassium as K 10000 ppm</p> <p>Sodium as Na 88000 ppm</p> <p>Bromine as Br < 5 %</p> <p>Chlorine as Cl < 5 %</p> <p>Fluorine as F < 5 %</p> <p>Sulfur as S < 5 %</p> | <p style="text-align: center;">RANGE</p> <p>A. Heat Value (Btu/lb): 1- 2000</p> <p>B. Water: _____</p> <p>C. Viscosity (cps): _____ F 100 F 150 F</p> <p>D. Ash: _____ %</p> <p>E. Settleable solids: _____ %</p> <p>F. Vapor Pressure @ STP (mm/Hg): _____</p> <p>G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No _____</p> <p>H. Can this waste be heated to improve flow? Yes _____ No <input checked="" type="checkbox"/></p> <p>I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No _____</p> <p>J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No _____</p> |

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No _____

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

and Additional Description if required: (CYANIDE, ARSENIC)

RQ(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: II

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 Lb

E. Non-Bulk code 202 Bulk code 243

F. Special Provisions T42 _____

G. Labels Required POISON OR TOXIC CORROSIVE

28. SPECIAL HANDLING INFORMATION

INDEX/BLUE NITRILE INNER GLOVE

CONTAINS CYANIDES - DO NOT MIX W/PH <6

CARCINOGEN - ARSENIC, CADMIUM, LEAD

_ Material Safety Data Sheets Attached

29. OTHER INFORMATION

GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION.

30. ONYX ENVIRONMENTAL SERVICES CERTIFICATION

Onyx Environmental Services, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | |
|-----------------|--|--------------------------|---------------------|--------------|-----------|---|--------------------|---------------------|-----------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | | Actual |
| | | | | | | Less Than | Regulated Level | Equal or More | |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | | <200 ppm |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | | <200 ppm |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | | <200 ppm |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | | <200 ppm |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | | <100 ppm |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | <0.1 ppm |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | | <200 ppm |
| Nickel as Ni | | | | | | | 134 mg/l | | <200 ppm |
| Thallium as Tl | | | | | | X | 130 mg/l | | <200 ppm |
| Chromium Hex | | | | | | X | 500 mg/l | | |
| Antimony | | | | | | | | | <200 ppm |
| Beryllium | | | | | | | | | <200 ppm |
| Copper | | | | | | | | | |
| Vanadium | | | | | | | | | <200 ppm |
| Zinc | | | | | | | | | |
| Potassium | | | | | | | | | <2000 ppm |
| Sodium | | | | | | | | | 57800 ppm |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data | TCA or TOTAL |
|--------------------------|--|-----------------|---------------|-----------|--|---------------------------|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | Use units: ppm, mg/l or % |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |

ATTACHMENT 2

CHEMICAL COMPOSITION: Additional constituents NOT included on page 1 of the Waste Profile
 Constituents Range Unit Description

| | | |
|---|----|--|
| ARSENIC | to | |
| BARIUM | to | |
| CADMIUM | to | |
| LEAD | to | |
| ZINC | to | |
| CHROMIUM | to | |
| SILVER | to | |
| SODIUM | to | |
| COMMENTS | to | |
| METALS LISTED UNDER "INERT INORGANIC SALTS" ARE | to | |
| PRESENT AS CATIONIC SPECIES. | to | |

| UHC Constituent | Management Method |
|-----------------|-------------------|
|-----------------|-------------------|

| | |
|---------------------|---|
| Cyanides (Total) | A |
| Cyanides (Amenable) | A |
| Arsenic | A |
| Cadmium | A |
| Chromium (Total) | A |
| Lead | A |
| Selenium | A |
| Silver | A |

| Solvent Constituent | Management Method |
|---------------------|-------------------|
|---------------------|-------------------|

Date Printed 03/12/01

Appendix L

Profile #
TWI CI5789

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
Master Profile No.: PTA-NC
Sales Office. . . : PTA
Location Orig. . . : PTA
Profile Expires . . : 1/26/03
Approved. : 3/12/01
Signed Profile Present: Y Change Pending: N Waste Status: A
Site (DCS) Status: X REQ FOR DCS DOWNLOAD
Prof. Tracking No: 4531060

Fuels Approval.:
Pumpable Liquid Exact: ___ % OR Range: ___ - ___ %
Type of Pump. . :
Additional Anticipated Vol: _____ Per: ___ Unit Code/Des: _____

Handling Codes: 62 NBR GREEN GLOVES 80 N-DEX INNER GLOVE
88 CPF 3 0D TYPE C RESPIR CONST FLOW
0F PVC YELLOW OVR BOOT COVER

EPA Data: Status Code: C Tax Code. . :
Permit No: _____ Expr. Date.: _____ Volume. . . :
Certificate of Destruction or Disposal Required? Y Project # :
DOT Properties: Inhalation: 3 Dermal: 3 Oral: 3 Flammable: ___ Health: ___

Percent Taxable: _____ No. of Labels. . . :
Tranship Dest. . : _____ Download Generator: T025022
Material Class.: _____ DCS Generator #...: 5844030974
Treatment Codes: T07
Process Codes . : BLL
Schedule Category : ILLB
Schedule Interval :
Listed Solvent Waste: _____ Hal. Org. Compounds.: _____ RCRA Reactive. . . . :
Etiologic. : _____ Water Reactive . . . : _____ Pesticide Mfg. Waste: _____
Ignition Screen : _____ Gas Evolution : _____ Wet Zone :
Self-heating cube sz _____ Vapor Concentration _____ Boiling Point F
Is Gas Ignitable? _____ Corrosive to Steel or Aluminum _____ Organic Peroxide _____
Chemical Family Name _____

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | G | - | - | - | - |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|---------------------------|--------------|------|-------------------|-----|------------|--------------------|
| PETRO CHEM PROCESSING INC | MID980615298 | G | - | - | - | - |
| CYANOKEM INC | MID098011992 | G | - | - | - | - |
| CYANOKEM INC | MID098011992 | I | Y | GEN | 1/26/01 | - |
| PHILIP SERVICES CORP | WAD991281767 | I | Y | GEN | 1/26/01 | - |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment | Cat | Comment |
|-----|--|-----|---|
| CSR | REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH | CSR | MGR APPROVAL,****F039**** |
| CSR | REVIEWED FOR PHASE II LDR | CSR | GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT |
| CSR | K/GEN BLL 1-26-01 AFS TWI | CSR | LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS |
| CSR | SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 | PSC | CHARGE CODE: NS |
| PSC | NEED WEIGHT | PSC | F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI |
| PSC | UNTIL FURTHER NOTICE. | PSC | BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. |
| PSC | NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF | PSC | CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE |
| PSC | AND CHARGES | PSC | PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND |
| PSC | PETROCHEM | PSC | DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO |
| PSC | THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY | PSC | TO THIS PARTICULAR SHIPMENT \$1000.00 |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|-------|
| WSTTP | B107 |
| FRMCD | 1 |
| TPCDI | M041 |
| TWIAD | Y |

Date Printed 3/12/01Profile Change HistoryProfile #
TWI CI5789

This section lists comments describing changes made to the profile.

| <u>Profile Change Comments</u> | <u>Date</u> | <u>User</u> |
|--|-------------|-------------|
| MRL/BP3414 Entire profile copied to MRL/CI5789 | 1/19/98 | WM0911TTT |
| / | 1/19/98 | WM0911TTT |
| TWI APPROVAL | 2/04/98 | WM0911TTT |
| MRL/CI5789 Entire profile copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| X | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST | 5/21/98 | WM0911CAT |
| RECEIPT AND LAN BAN | 5/21/98 | WM0911CAT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 5/21/98 | WM0911CAT |
| LHB/ Added Cyanokem- Philip location per Mike | 7/30/98 | WM0233LHB |
| Ulendorf of Philip in Renton, WA | 7/30/98 | WM0233LHB |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| PTA RECERT. | 1/26/99 | WM0346RJL |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 1/26/99 | WM0346RJL |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER | 10/28/99 | WM0911KES |
| NOTICE. | 10/28/99 | WM0911KES |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 10/28/99 | WM0911KES |
| ADDED 1009166 AS A GENERATOR | 2/11/00 | WM0233JLM |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 3/12/01 | WM0911KEM |
| UPDATED FOR TWI RECERT | 3/12/01 | WM0911KEM |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 3/12/01 | WM0911KEM |

Date Printed 3/12/01

Schedule CategoriesProfile #
TWI C15789

| <u>Category</u> | <u>Description</u> | <u>Container</u> |
|-----------------|--------------------|------------------|
| ILLB | Low BTU Bulk Liqui | Tank Trucks |

Pricing CommentsDisposal Price

- Need PE if off-gate, no min, or no approval fee
- \$2,000 minimum applies.
- If T & D bundled 40,000 pound minimum applies.

Transportation Price

- Load/Trip/Mile
- \$425 minimum for trips less than 100 miles.
- \$3.60 per loaded mile.
- \$150 per day tanker rental.
- Direct inject tankers may incur additional cost.
- Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.

Demurrage

- \$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Tanker Rinseout & Heel Removal Fees:
 - \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
 - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
- \$75.00 per drum for any overpacked material.
- Metal drums containing EPA P-waste codes will be surcharged as follows:
 - \$25.00 for 1 to 9 gallon drums.
 - \$50.00 for 10 to 29 gallon drums.
 - \$100.00 for 30 to 55 gallon drums.
- Discrepant material will be surcharged on a case-by-case basis.

SENT BY:

1-30-98 ; 15:35 ;CHEM WASTE PT. ARTHUR→
Appendix L

618 271 9704:# 2/ 3

Port Arthur Analytical Report

Sample ID Number: 537271

Page: 1

Profile: CI5787 Generator:

Class: BULK-L

Received: 26 JAN 1998 11:14:00 Completed: 26 JAN 1998 12:29:00
Turnaround Time (hours): 1.25

| Wet Chemistry Analytical | Result | Date | Analyst |
|--------------------------------|--------|-------------|---------|
| Ash(%) : | 8.59 | 26 JAN 1998 | OAI |
| High Heat Value ... (Btu/lb) : | < 450 | 26 JAN 1998 | EMJ |
| Bromide(%) : | < 0.1 | 26 JAN 1998 | EMJ |
| Chloride(%) : | 0.736 | 26 JAN 1998 | EMJ |
| Fluoride(%) : | < 0.1 | 26 JAN 1998 | EMJ |
| Sulfur(%) : | < 0.1 | 26 JAN 1998 | EMJ |
| Water(%) : | 77.2 | 26 JAN 1998 | OAI |
| Viscosity.....(CP) : | < 20 | 26 JAN 1998 | ARG |

Low Heat Value(Btu/lb): -521
TOX(%) : .936Total Organic Content ..(%) : 14.21
Scrub Acidity (g NaOH/g Sx): .01

Fingerprint Date: 26 JAN 1998 . . . F

- - - - - ARG

Color:Brown
Odor:None
Number of Layers: 1
Physical State: ..Liquid
Viscosity:LOW
Free Liquids (%): 100
Turbidity:Opaque
Specific Gravity: 1.1175
pH by Meter:.....N/A
Percent Solids: ..<10pH Screen:
Water Mix React
Water Mix Solu
Flammability S
Cyanide Screen
Sulfide Screen
Radiation Scre
Tackiness Scre
pH Adjustment:
Filter Time:*Ref this analysis for approval.**Same exact waste as**CI5787, different generator due to Billing.*Tank: T505 ... Compatibility: No Reactio
Tank: T522 ... Compatibility: No Reactio

PCB Analysis Date: 27 JAN 1998 . . . PCB Analysis

PCB Quantification Limit: 50 PCB Units: PPM

| | | |
|---------------------|---------------------|---------------------|
| Aroclor 1016: < LOQ | Aroclor 1221: < LOQ | Aroclor 1232: < LOQ |
| Aroclor 1242: < LOQ | Aroclor 1248: < LOQ | Aroclor 1254: < LOQ |
| Aroclor 1260: < LOQ | | Total PCBs: < LOQ |

SENT BY:

1-30-98 15:35 CHEM WASTE PLANT ARTHUR
Appendix L

010 2/1 3/04, # 3/ 3

Port Arthur Analytical Report

Sample ID Number: 537271

Page: 2

Profile: CI5787 Generator:

Class: BULK-L

Received: 26 JAN 1998 11:14:00 Completed: 26 JAN 1998 12:29:00
Turnaround Time (hours): 1.25

Comments: OXIDIZER: NEG
CCFP>140DEG F,GCG-01/30/98

Report printed 15:10:58 30 JAN 1998

DATE OF REPORT: 213198

TWI SAMPLE NO.: 142138

SAMPLE DESCRIPTION: Receiver/Profile No.: _____

Generator: _____

Commodity: _____

REVIEWED BY: CHB
Lab Manager

DATE: 2/3/98

THIS SAMPLE WAS COLLECTED ACCORDING TO APPLICABLE SW-846 PROCEDURES.

This report has been prepared for the exclusive use and benefit of Chemical Waste Management. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report.

PAUL 11

Report: R7008
DATE: 10/18/00

CHEMICAL WASTE MANAGEMENT, Appendix L
WASTE PROFILE SUMMARY

Version 06.04
TWI-C15789
SELLING REGION LAB - MRI

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE WA 98108-2631
CONTACT...: TIM SMITH

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 01/26/01
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID..: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|--|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| FLUORIDE | 0 | 0.1 | % |
| NON-TRI CHEMICALS | 0 | 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | | | |
| INERT INORGANIC SALTS | 0 | 15 | % |
| ARSENIC | | | |
| BARIUM | | | |
| CADMIUM | | | |
| LEAD | | | |
| ZINC | | | |
| CHROMIUM | | | |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| <u>METALS</u> | | <u>TCA OR TOTAL</u> | <u>PHYSICAL CHARACTERISTICS</u> | |
|-----------------|--------|---------------------|---------------------------------|---------------------------------------|
| Nickel as Ni | < 200 | ppm | Physical State.... | Liquid |
| Thallium as Tl | < 200 | ppm | Flash Point..... | > = 200 CL |
| Arsenic as As | < 200 | ppm | pH..... | 12.5 - 14.0 |
| Barium as Ba | < 200 | ppm | Color..... | BROWN |
| Cadmium as Cd | < 200 | ppm | Odor..... | NONE |
| Chromium tot Cr | < 200 | ppm | Layers..... | Single Layer |
| Lead as Pb | < 100 | ppm | Specific Gravity.. | 0.800 - 1.400 |
| Mercury as Hg | < 0.1 | ppm | Free Liquids..... | 95 - 100 |
| Silver as Ag | < 200 | ppm | Cyanides..... | 0.1 To 10.0 % |
| Antimony | < 200 | ppm | Sulfides..... | < 3 PPM |
| Beryllium | < 200 | ppm | PCB's..... | N/A ppm, Regulated by 40 CFR 761: PPM |
| Potassium | < 2000 | ppm | Phenolics..... | < 10 |
| Sodium | 57800 | ppm | % Taxable..... | DOT UN/NA NBR: UN2927 |
| Vanadium | < 200 | ppm | Treatment Codes... | T07 |
| Selenium as Se | < 100 | mg/l | CRQ RPT QTY..... | 1 |
| Chromium Hex | < 500 | mg/l | EPA Permit..... | Material Class: |
| | | | Hazard Class..... | 6.1 |
| | | | State Codes..... | 090001 |
| | | | Benzene | NESHAP: |
| | | | Packing Group.... | II |
| | | | Process Codes.... | BLL |
| | | | Cert of Dstrct Rq: | Y |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES N-DEX INNER GLOVE CPF 3
TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 3 Dermal: 3 Oral: 3 Flammable: 0 Health: 0

SUMMARY

Waste Type B107
Form Code 1

COMMENTS

CHARGE CODE: NS
F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE
PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
NEED WEIGHT
UNTIL FURTHER NOTICE.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
AND CHARGES
PETROCHEM

Report: R7008
DATE: 10/18/00
PROFILE: CI5789

CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY APPENDIX L

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

COMMENTS

Not included on Waste Profile Summary Report

DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY
TO THIS PARTICULAR SHIPMENT \$1000.00

Report: R7008
DATE: 10/18/00

CHEMICAL WASTE MANAGEMENT, INC. Appendix L
WASTE PROFILE SUMMARY

Version 06.04
TWI-C15789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
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CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
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STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID..: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|--|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| FLUORIDE | 0 | 0.1 | % |
| NON-TRI CHEMICALS | 0 | 25 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | | | |
| INERT INORGANIC SALTS | 0 | 15 | % |
| ARSENIC | | | |
| BARIUM | | | |
| CADMIUM | | | |
| LEAD | | | |
| ZINC | | | |
| CHROMIUM | | | |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL | | PHYSICAL CHARACTERISTICS |
|-----------------|--------------|------|---|
| Nickel as Ni | < 200 | ppm | Physical State....: Liquid |
| Thallium as Tl | < 200 | ppm | Flash Point.....: > = 200 CL |
| Arsenic as As | < 200 | ppm | pH.....: 12.5 - 14.0 |
| Barium as Ba | < 200 | ppm | Color.....: BROWN |
| Cadmium as Cd | < 200 | ppm | Odor.....: NONE |
| Chromium tot Cr | < 200 | ppm | Layers.....: Single Layer |
| Lead as Pb | < 100 | ppm | Specific Gravity: 0.800 - 1.400 |
| Mercury as Hg | < 0.1 | ppm | Free Liquids.....: 95 - 100 |
| Silver as Ag | < 200 | ppm | Cyanides.....: 0.1 To 10.0 % |
| Antimony | < 200 | ppm | Sulfides.....: < 3 PPM |
| Beryllium | < 200 | ppm | PCB's.....: N/A ppm, Regulated by 40 CFR 761: PPM |
| Potassium | < 2000 | ppm | Phenolics.....: < 10 |
| Sodium | 57800 | ppm | % Taxable.....: DOT UN/NA NBR: UN2927 |
| Vanadium | < 200 | ppm | Treatment Codes..: T07 |
| Selenium as Se | < 100 | mg/l | CRQ RPT QTY.....: 1 Material Class: |
| Chromium Hex | < 500 | mg/l | EPA Permit.....: EXP: |
| | | | Hazard Class.....: 6.1 |
| | | | State Codes.....: 090001 |
| | | | Benzene: NESHAP: |
| | | | Packing Group....: II |
| | | | Process Codes....: BLL |
| | | | Cert of Distrct Rq: Y |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING
NBR GREEN GLOVES N-DEX INNER GLOVE CPF 3
TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES
Inhalation: 3 Dermal: 3 Oral: 3 Flammable: 0 Health: 0

SUMMARY
Waste Type B107
Form Code 1

COMMENTS
CHARGE CODE: NS
F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
BILL SEATTLE SITE TO RENT WA, PER SALES MARC M.
CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE
PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
NEIC VP0972E01
NEED WEIGHT
UNTIL FURTHER NOTICE.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
AND CHARGES
PETROCHEM

Report: R7008
Date: 10/18/00
Profile: CI5789

CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY ADDENDUM
Appendix L

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

COMMENTS

Not included on Waste Profile Summary Report

DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY
D THIS PARTICULAR SHIPMENT \$1000.00

CONFIRMATION LETTER

January 3, 2000

CYANOKEM INC
12381 SCHAEFER HWY
DETROIT, MI 48227-3421

Re: Confirmation Number 4544887

Attention:

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

| | |
|---------------------------------|--|
| <u>CWM Profile Number:</u> | CI5789 TWI |
| <u>Approved Mgmt. Facility:</u> | TRADE WASTE INCINERATION or another CWM or CWM approved facility |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Disposal Price:</u> | - \$0.15/lb - \$2000.00 minimum |
| <u>Transportation Price:</u> | - To be provided by Philip or quoted per shipment - Cancelled loads require 48-hour notice or they will be billed at the regular trip rate. - Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility. |
| <u>Demurrage:</u> | - \$85 an hour after 1 1/2 hour loading time. |
| <u>Waste Approval Fees:</u> | - recertify profile--no charge - Characterization & unknowns are priced upon request. |
| <u>Pricing Conditions:</u> | - Tanker Rinseout & Heel Removal Fees: - \$500 aqueous rinseout fee (no solids) plus cost of solvent used. - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used. - \$1,000 fee for "P" code triple rinseout plus |

January 3, 2000

Re: Confirmation Number 4544887

- cost of solvent used.
- \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date: 1/26/01

- Special Conditions:
- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
 - Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
 - A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
 - DOT approved containers.
 - All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Chemical Waste Management, Inc

CONFIRMATION LETTER

February 6, 1998

TIM SMITH
 PHILIP SERVICES CORP
 734 S LUCILE ST
 SEATTLE, WA 98108-2631

Re: Confirmation Number 4511516

Attention: TIM SMITH

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

| | |
|---------------------------------|---|
| <u>CWM Profile Number:</u> | CI5789 TWI |
| <u>Approved Mgmt. Facility:</u> | TRADE WASTE INCINERATION or another CWM or CWM approved facility |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Disposal Price:</u> | - \$0.14 per pound |
| <u>Transportation Price:</u> | - To be provided by Philip Services Corporation |
| <u>Waste Approval Fees:</u> | - Waived for Philip Services per national agree = agreement. |
| <u>Pricing Conditions:</u> | <ul style="list-style-type: none"> - Tanker Rinseout & Heel Removal Fees: - \$500 aqueous rinseout fee (no solids) plus cost of solvent used. - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used. - \$1,000 fee for "P" code triple rinseout plus cost of solvent used. - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies. - Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis. - Discrepant material will be surcharged on a |

February 6, 1998

Re: Confirmation Number 4511516

case-by-case basis.

Profile Expiration Date: 2/03/00

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using Illinois Manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

NATL ACCT REPRINT

Chemical Waste Management, Inc

GLOVES

___ 60 GLOVES

___ 61 or 75 PVC GLOVE

/ 62 or 76 NITRILE (NBR) GLOVE

___ 63 or 77 NEOPRENE GLOVE

___ 78 PVA GLOVE

Appendix I

___ 79 BUTYL RUBBER GLOVE

/ 80 N-DEX INNER GLOVE

___ 81 4H INNER GLOVE

___ 82 VITON GLOVE

___ 83 NITTY GRITTY GLOVE

PERSONAL PROTECTIVE EQUIPMENT

___ 84 PPE

___ 85 TYVEK PROSHIELD I, II

___ 64 or 86 SARANEX

___ 87 CPF 2

/ 88 CPF 3

___ 89 CPF4

___ 90 NOMEX

___ 91 (OPEN)

___ 92 (OPEN)

___ 93 (OPEN)

RESPIRATORY PROTECTION

___ 94 RESPIRATORY PROTECTION

___ 67 PESTICIDE CARTRIDGE

___ 70 AMMONIA GAS CARTRIDGE

___ 71 or 95 FULL-FACE RESPIRATOR

___ 96 HEPA CARTRIDGE

___ 97 COMBINATION ORG/ACID GAS

___ 0A ACID CARTRIDGE

___ 0B ORGANIC CARTRIDGE

___ 0C DUST CARTRIDGE

/ 0D TYPE C RESPIR. CONSTANT FLOW

BOOTS

___ 0E BOOTS

/ 0F PVC YELLOW OVER BOOT COVER

___ 0G YELLOW RUBBER OVERBOOT

___ 0H BLACK OVER THE SOCK BOOT

3 INHALATION

3 DERMAL

3 INGESTION

LIST OTHER PPE: _____

COMMENTS: _____

Return to: _____ Maintenance: _____ Confirmation: _____ RS6000 _____

(Revised 1/26/99)

Date 10/28/99
Time 16:15:43

Location of Original MIDWEST REGIONAL LAB

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

*** This Decision is APPROVED

Tracking #: 4544887 Priority : 97
Profile # : CI5789 Date Received: 10/21/99
Effective Date: 10/28/99
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods
Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
Notification & Certification form must
- DOT approved containers.
manifest.

- offloaded will be returned to the generator.
centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using an Illinois

c) Analytical Requirements for Each Load
MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 01/26/01

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) KELLY SUTTON Date 10/28/99

PHYSICAL DESCRIPTION WORKSHEET

TRACKING #: 4544238 PRIORITY: 97

PROFILE #: C15789 DATE RECD: 9/22/99

GENERATOR: PHILIP SERVICES CORP

WASTE CATEGORY CODE:

DESCRIPT: CYANIDE MIXTURE SOLUTION

Receiver # _____

Received Date _____

| DRUM # | SIZE/TYPE | O/P | COLOR/DESCRIPTION | % FULL | % SOLID | % LIQUID |
|--------|-----------|-----|-------------------|--------|---------|----------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

TECHNICIAN SIGNATURE _____ DATE _____

LOCATION _____ COMMENTS _____

Date 9/22/99

WASTE MANAGEMENT DECISION

Page . . . : 1

Time 14:48:53

Location of Original MIDWEST REGIONAL LAB

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

*** This Decision is APPROVED

Tracking #: 4544238 Priority : 97
Profile # : CI5789 Date Received: 09/22/99
Effective Date: 09/22/99
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods

Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
- Notification & Certification form must
- DOT approved containers.
- manifest.

- offloaded will be returned to the generator.
- centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using an Illinois

c) Analytical Requirements for Each Load

MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 09/28/99

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) KELLY SUTTON Date 09/22/99

Report: R7008
DATE: 09/22/99

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
LEPT.....: ..
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST.: SEATTLE WA 98108-2631
CONTACT.: TIM SMITH

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 09/28/99
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID.: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE..: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
FLUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
ARSENIC
BARIUM
CADMIUM
LEAD
ZINC
CHROMIUM

| MIN | - MAX | UNIT DESCRIPTION |
|-----|-------|------------------|
| 0.1 | | 10 % |
| 50 | | 99 % |
| 0 | | 0.1 % |
| 0 | | 25 % |
| 0 | | 15 % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL |
|-----------------|--------------|
| Nickel as Ni | < 200 |
| Thallium as Tl | < 200 |
| Arsenic as As | < 200 |
| Barium as Ba | < 200 |
| Cadmium as Cd | < 200 |
| Chromium tot Cr | < 200 |
| Lead as Pb | < 100 |
| Mercury as Hg | < 0.1 |
| Silver as Ag | < 200 |
| Antimony | < 200 |
| Beryllium | < 200 |
| Potassium | < 2000 |
| Sodium | 57800 |
| Vanadium | < 200 |
| Selenium as Se | < 100 |
| Chromium Hex | < 500 |

| <u>PHYSICAL CHARACTERISTICS</u> | |
|---------------------------------|-----------------------|
| Physical State.... | Liquid |
| Flash Point..... | > = 200 CL |
| pH..... | 12.5 - 14.0 |
| Color..... | BROWN |
| Odor..... | NONE |
| Layers..... | Single Layer |
| Specific Gravity.. | 0.800 - 1.400 |
| Free Liquids..... | 95 - 100 |
| Cyanides..... | 0.1 To 10.0 % |
| Sulfides..... | < 3 PPM |
| PCB's..... | N/A |
| Phenolics..... | < 10 PPM |
| % Taxable..... | DOT UN/NA NBR: UN2927 |
| Treatment Codes.. | T07 |
| CRO RPT QTY..... | 1 |
| EPA Permit..... | Material Class: |
| Hazard Class..... | EXP: |
| State Codes..... | 090001 |
| Benzene | NESHAP: |
| Packing Group.... | II |
| Process Codes.... | BLL |
| Cert of Distrct Rq: | Y |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F039 F001 F002 +

NBR GREEN GLOVES
SUPPLIED AIR

HANDLING
BARRICADE SUIT

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE REACTIVE CATEGORY: A-DO NOT SCHEDULE
WITHOUT TECH MGR APPROVAL. CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

| <u>DOT PROPERTIES</u> | | | | |
|-----------------------|-----------|---------|--------------|-----------|
| Inhalation: 3 | Dermal: 3 | Oral: 3 | Flammable: 0 | Health: 0 |

Waste Type
Form Code

B107
1

SUMMARY

CHARGE CODE: NS
MGR APPROVAL.***F039****

COMMENTS
REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH
NEED WEIGHT

Report: B7008
DATE: 09/22/99
PROFILE: CI5789

CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY ADDENDUM Appendix L

Version 01.00
APPENDIX
PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

[illegible]

PROCESS CODE BLL PROFILE # CI5789

- RECEIVER #: _____

MANIFEST#: _____

No. DRUMS: _____

DATE: _____

SAMPLER SIGN. _____

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class 6.1

P=PASS **F=FAIL**

8A _____ 8B _____ 4/5 _____

| | | | | | | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| SAMPLE NUMBER | | | | | | | | | | 8A _____ 8B _____ 4/5 _____ | | | | | | | | | |
| Drum No. | | | | | | | | | | | | | | | | | | | |
| Free Liquid (%) | | | | | | | | | | | | | | | | | | | |
| Pumpable | | | | | | | | | | YES NO | | | | | | | | | |
| Layers/Phases -% Ea. | | | | | | | | | | 1 _____ % 2 _____ % > 3 _____ % | | | | | | | | | |
| Color | | | | | | | | | | | | | | | | | | | |
| Turbidity | | | | | | | | | | N/A TnsP TnsL Opa N/A TP TL O N/A TP TL O | | | | | | | | | |
| Viscosity | | | | | | | | | | N/A L M H N/A L M H N/A L M H L M H N/A | | | | | | | | | |
| Physical State | | | | | | | | | | Liq Solid Sludge Semi-sld Liq Sol Slg Ss Liq Sol Slg Ss | | | | | | | | | |
| Water Miscibility | | | | | | | | | | Misc Part Floats Sinks Emls M P F S E M P F S E | | | | | | | | | |
| Add. Description: | | | | | | | | | | | | | | | | | | | |
| Water Reactivity | | | | | | | | | | () NO RXN () RXN: | | | | | | | | | |
| Radiation Screen | | | | | | | | | | () =BKG () >BKG: =BKG | | | | | | | | | |
| Flam. Pot. Screen | | | | | | | | | | () Neg () Pos () BOC See Flashpoint | | | | | | | | | |
| pH Screen | | | | | | | | | | () 100% () 10% <2 2-12.5 (>12.5) | | | | | | | | | |
| Oxidizer Screen | | | | | | | | | | () Neg () Pos | | | | | | | | | |
| Paint Filter Test | | | | | | | | | | () Pass () Fail () V-Fail () N/A | | | | | | | | | |
| Cyanide Screen | | | | | | | | | | () Neg () Pos () N/A | | | | | | | | | |
| Sulfide Screen | | | | | | | | | | () Neg () Pos () N/A | | | | | | | | | |
| Incidental odor | | | | | | | | | | () No () Yes: | | | | | | | | | |
| Specific Gravity | | | | | | | | | | | | | | | | | | | |
| BTU/LB | | | | | | | | | | | | | | | | | | | |
| % Chloride | | | | | | | | | | | | | | | | | | | |
| Flash Point Deg.F | | | | | | | | | | <73 <140 (>140) N/A | | | | | | | | | |
| PCBs By GC mg/kg | | | | | | | | | | <50ppm | | | | | | | | | |
| PCBs-Screen ppm | | | | | | | | | | <50ppm | | | | | | | | | |
| 2,4,5-T/Silvex ppm | | | | | | | | | | | | | | | | | | | |
| PCP Screen ppm | | | | | | | | | | () KIT () GC | | | | | | | | | |
| pH by Meter | | | | | | | | | | () 100% () 10% | | | | | | | | | |

☐ PCB waived. Does not meet PCB suspect criteria.

ACCEPT / REJECT: () NEW PROFILE#

Analytical Comments: () Reference Tracking# / Sample# 537271 / 142138 for analysis.

☒ Dioxin Precursor analysis results below site action levels ☒ No additional analysis required ☐ Run on each load
☐ Analysis supplied by generator - See Tech. Manager File. ☐ PCB analysis to be determined upon visual inspection of waste

Add. Comments Same waste as CI 5787 - different broken

PROFILE REVIEW FOR APPENDIX WAP-C CONSTITUENTS BY: CAT DATE: 2-4-98

PROFILE & HANDLING COMMENTS: () Water Reactive - avoid contact with moisture

☒ Contains Cyanides - DO NOT mix with pH <6 () Benzene NESLAP controls required: () Cert. () No Cert.

() Poison Inhalation Hazard () Reactive Category: A B C D E Add. Comments:

Report: R7008
DATE: 08/12/99

CHEMICAL WASTE MANAGEMENT, Appendix L
WASTE PROFILE SUMMARY

Version 06.04
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....:
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 08/14/99
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID..: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
FLUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
ARSENIC
BARIUM
CADMIUM
LEAD
ZINC
CHROMIUM

| MIN | - | MAX | UNIT DESCRIPTION |
|-----|---|-----|------------------|
| 0.1 | | 10 | % |
| 50 | | 99 | % |
| 0 | | 0.1 | % |
| 0 | | 25 | % |
| 0 | | 15 | % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL |
|-----------------|--------------|
| Nickel as Ni | < 200 |
| Thallium as Tl | < 200 |
| Arsenic as As | < 200 |
| Barium as Ba | < 200 |
| Cadmium as Cd | < 200 |
| Chromium tot Cr | < 200 |
| Lead as Pb | < 100 |
| Mercury as Hg | < 0.1 |
| Silver as Ag | < 200 |
| Antimony | < 200 |
| Beryllium | < 200 |
| Potassium | < 2000 |
| Sodium | 57800 |
| Vanadium | < 200 |
| Selenium as Se | < 100 |
| Chromium Hex | < 500 |

ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
mg/l
mg/l

PHYSICAL CHARACTERISTICS

Physical State....: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity.: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 %
Sulfides.....: < 3 PPM
PCB's.....: N/A ppm, Regulated by 40 CFR 761:
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes...: T07
CRQ RPT QTY.....: 1 Material Class:
EPA Permit.....: EXP:
Hazard Class.....: 6.1
State Codes.....: 090001
Benzene: NESHAP:
Packing Group....: II
Process Codes.....: BLL
Cert of Dstrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F039 F001 F002 +

HANDLING

NBR GREEN GLOVES
SUPPLIED AIR

BARRICADE SUIT

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE REACTIVE CATEGORY: A-DO NOT SCHEDULE
WITHOUT TECH MGR APPROVAL. CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 3 Dermal: 3 Oral: 3 Flammable: 0 Health: 0

SUMMARY

Waste Type
Form Code

B107
1

COMMENTS

CHARGE CODE: NS
MGR APPROVAL. ****F039****

REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH
NEED WEIGHT

Report: R7008
Date: 08/12/99
Profile: C15789

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00
Appendix
Page: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

Report: R7008
DATE: 2/ 9/98

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY

Version 06.02
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST...: SEATTLE
CONTACT...: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 02/03/
STATUS.....: APPR FOR SERV
FEDERAL EPA ID: WAD000812909
STATE EPA ID...: 9530335007
EPA STATUS.....: CHK RESTRICT
SALES OFFICE...: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

| | MIN | - MAX | UNIT DESCRIPTION |
|---|-----|-------|------------------|
| CYANIDE | 0.1 | 10 | % |
| WATER | 50 | 99 | % |
| METALS (IN SOLUTION): ARSENIC, BARIUM, CADMIUM, LEAD, ZINC, CHROME, SILVER, SODIUM | 0 | 15 | % |
| FLUORIDE | 0 | 0.1 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | 0 | 25 | % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL | | PHYSICAL CHARACTERISTICS |
|-----------------|--------------|------|---|
| Nickel as Ni | < 200 | ppm | Physical State...: Liquid |
| Thallium as Tl | < 200 | ppm | Flash Point.....: > = 200 |
| Arsenic as As | < 200 | ppm | pH.....: 12.5 - 14.0 |
| Barium as Ba | < 200 | ppm | Color.....: BROWN |
| Cadmium as Cd | < 200 | ppm | Odor.....: NONE |
| Chromium tot Cr | < 200 | ppm | Layers.....: Single Layer |
| Lead as Pb | < 100 | ppm | Specific Gravity.: 0.800 - 1.400 |
| Mercury as Hg | < 0.1 | ppm | Free Liquids.....: 95 - 100 |
| Silver as Ag | < 200 | ppm | Cyanides.....: 0.1 To 10.0 % |
| Antimony | < 200 | ppm | Sulfides.....: < 3 |
| Beryllium | < 200 | ppm | PCB's.....: ppm, Regulated by 40 CFR 761: |
| Potassium | < 2000 | ppm | Phenolics.....: < 10 |
| Sodium | 57800 | ppm | % Taxable.....: DOT UN/NA NBR: UN2927 |
| Vanadium | < 200 | ppm | Treatment Codes...: T07 |
| Selenium as Se | < 100 | mg/l | CRO RPT QTY.....: 1 |
| Chromium Hex | < 500 | mg/l | EPA Permit.....: Material Class: |
| | | | Hazard Class.....: 6.1 |
| | | | State Codes.....: 090001 |
| | | | Benzene: NESHAP: |
| | | | Packing Group.....: II |
| | | | Process Codes.....: BLL |
| | | | Cert of Distrct Rq: |

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F039 F002 +

NBR GREEN GLOVES
SUPPLIED AIR

HANDLING
BARRICADE SUIT

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

Inhalation: 3 Dermal: 3 DOT PROPERTIES
Oral: 3 Flammable: 0 Health: 0

Waste Type
Form Code

B107
1

SUMMARY

COMMENTS

CODE ADDITION REQUEST FORM

DATE 5/21/98REQUESTED BY DBCIRCLE (WS) OR LP*Philip Services*

REASON _____

APPROVED BY _____
(PER DRUM INVENTORY OR INDIVIDUAL)PROFILE CI5789 Recvr # 125657CODE (S) D005, D009_____

_____ADDED



STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81

IL532-0610

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS
AND SPECIAL WASTE.

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. WAD000812909 | Manifest Document No. 24461 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|--------------------------------|--|--|
| 3. Generator's Name and Mailing Address Burlington Environmental Inc. dba/Philip Services Corp. 734 South Lucile Street, Seattle, WA 98108 | | | | A. Illinois Manifest Document Number L 4116748 MANIFEST FEE PAID | |
| 4. Generator's Phone (206) 762-3362 | | | | B. Illinois Generator's ID 95300119999 | |
| 5. Transporter 1 Company Name Union Pacific Railroad | | 6. US EPA ID Number NED001792910 | | C. Illinois Transporter's ID D. (800) 272-8777 Transporter's Phone | |
| 7. Transporter 2 Company Name MATLACK | | 8. US EPA ID Number DED 98110166 | | E. Illinois Transporter's ID F. (814) 531-0304 Transporter's Phone | |
| 9. Designated Facility Name and Site Address Trade Waste Incineration #7 Mobile Avenue Sauget, IL 62201 | | 10. US EPA ID Number ILD098642424 | | G. Illinois Facility's ID H. Facility's Phone (618) 271-2804 | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | 12. Containers No. Type | 13. Total Quantity Unit |
| a. RQ, Waste Toxic Liquids, Corrosive, Organic, N.O.S. (Cyanide, Potassium Hydroxide) 6.1, UN2927, II RQ=100P ERG# 154 | | | | 0 0 1 TC | 2 0 9 0 6 G |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |
| J. Additional Descriptions for Materials Listed Above a) CI5789 - Cyanide Liquids - D003, D004, D005, D006, D007, D008, D009, D010, D011, F006, F007, F008, F011, F012, F019 Car# CWMX1005 Seal# | | | | K. Handling Codes for Wastes Listed Above 1 = Gallons 2 = Cubic Yards | |
| 15. Special Handling Instructions and Additional Information Certificate of disposal required. Please include Manifest Document Number 24461 on certificate. 24 Hour Emergency Phone Number (253) 872-7859. | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name Kathy Baldwin | | Signature Kathy Baldwin | | Date 0 4 1 9 9 8 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name On behalf of Union Pacific R.R. Kathy Baldwin | | Signature Kathy Baldwin | | Date 0 4 1 9 9 8 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Gary Buss | | Signature Gary Buss | | Date 0 5 2 1 9 8 | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | |
| Printed/Typed Name Diane Bolbach | | Signature Diane Bolbach | | Date 0 5 2 1 9 8 | |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

NEIC VP0972E01

Page 341 of 412

Veolia ES Technical Services

COPY 1. TSD MAIL TO GENERATOR

Sauget, Illinois

12-5657

Report: R7008
DATE: 05/21/98

Appendix L
CHEMICAL WASTE MANAGEMENT, INC.
WASTE PROFILE SUMMARY

Version 06.02
TWI-CI5789
SELLING REGION LAB - MRL

BUSINESS: PHILIP SERVICES CORP
DEPT.....: ..
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST.: SEATTLE
CONTACT.: TIM SMITH

WA 98108-2631

NUMBER.....: 102-5-022
PHONE.....: 253/627-7568
EXPIRES.....: 02/03/00
STATUS.....: CONTRACT NOT IN PLACE
FEDERAL EPA ID: WAD000812909
STATE EPA ID.: 9530335007
EPA STATUS....: CHK RESTRICT
SALES OFFICE.: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYANIDE, ARSENIC)

CHEMICAL COMPOSITION

CYANIDE
WATER
METALS (IN SOLUTION): ARSENIC, BARIUM, CADMIUM,
LEAD, ZINC, CHROME, SILVER, SODIUM
FLUORIDE
ORGANICS, REGULATED AND NON - REGULATED.

| MIN | - MAX | UNIT DESCRIPTION |
|-----|-------|------------------|
| 0.1 | 10 | % |
| 50 | 99 | % |
| 0 | 15 | % |
| 0 | 0.1 | % |
| 0 | 25 | % |

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

| METALS | TCA OR TOTAL |
|-----------------|--------------|
| Nickel as Ni | < 200 |
| Thallium as Tl | < 200 |
| Arsenic as As | < 200 |
| Barium as Ba | < 200 |
| Cadmium as Cd | < 200 |
| Chromium tot Cr | < 200 |
| Lead as Pb | < 100 |
| Mercury as Hg | < 0.1 |
| Silver as Ag | < 200 |
| Antimony | < 200 |
| Beryllium | < 200 |
| Potassium | < 2000 |
| Sodium | 57800 |
| Vanadium | < 200 |
| Selenium as Se | < 100 |
| Chromium Hex | < 500 |

ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
ppm
mg/l
mg/l

PHYSICAL CHARACTERISTICS

Physical State...: Liquid
Flash Point.....: > = 200 CL
pH.....: 12.5 - 14.0
Color.....: BROWN
Odor.....: NONE
Layers.....: Single Layer
Specific Gravity.: 0.800 - 1.400
Free Liquids.....: 95 - 100
Cyanides.....: 0.1 To 10.0 %
Sulfides.....: < 3 PPM
PCB's.....: ppm, Regulated by 40 CFR 761: TOTAL
Phenolics.....: < 10 PPM
% Taxable.....: DOT UN/NA NBR: UN2927
Treatment Codes...: T07
CRQ RPT QTY.....: 1
EPA Permit.....: Material Class:
Hazard Class.....: 6.1 EXP:
State Codes.....: 090001
Benzene: NESHAP:
Packing Group....: II
Process Codes.....: BLL
Cert of Distret Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F039 F002 +

HANDLING

NBR GREEN GLOVES
SUPPLIED AIR

BARRICADE SUIT

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 3 Dermal: 3 Oral: 3 Flammable: 0 Health: 0

SUMMARY

Waste Type
Form Code

B107
1

COMMENTS

!!!! gw 0298

SENT BY:

2- 9-98 ; 9:18 ; CHEM WASTE PT. ARTHUR
Appendix L 1995.04-10
213 588 0094618 271 9704;# 2/ 2
14:54 #166 P.02/02
#12155880094 P.02

FROM: NORRIS ENVIRONMENTAL

Veolia ES Technical Waste Management, Inc. BP 3414

WASTE PROFILE

Profile #

☐ Check here if this is a Recertification

LOCATION OF ORIGINAL _____

GENERAL INFORMATION

1. GENERATOR NAME: NORRIS ENVIRONMENTAL SERVICES Generator USEPA ID: CAD097030993
2. Generator Address: 5215 S. BOYLE AVE Billing Address: ☐ Same SAME
VERNON, CA 90058
3. Technical Contact/Phone: JOHN MAIER - 213-277-1518
4. Alternate Contact/Phone: KEVIN BERRY - 213-277-1518 Billing Contact/Phone: _____

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
6. Waste Name: CYANIDE MIXTURE (SOLUTION)
- 7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes ☒ No ☐
8. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002, D003, D004, D007, D008, D010
D004, F007, F006, F008, F009, F011, F012, F019 State Waste Codes: 181
9. Physical State @ 70°F: A. Solid ☐ Liquid ☒ Both ☐ B. Single Layer ☒ Multilayer ☐ C. Free liquid range _____ to _____ %
- 9A. pH: Range 9 to 10 or Not applicable ☐ B. Strong Odor ☐; describe _____
10. Liquid Flash Point: C. 73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☐ N.A. ☒ Closed Cup ☐ Open Cup ☐
11. CHEMICAL COMPOSITION: List ALL constituents (including halogenated organics) present in any concentration and forward available analysis.
- | Constituents | Range | Units | Constituents | Range | Units |
|-----------------------|---------------------|-------|-----------------|------------------------|-------|
| <u>CYANIDE</u> | <u>1000-10%</u> | | <u>ZINC</u> | <u>< 10,000 ppm</u> | |
| <u>WATER</u> | <u>80-99%</u> | | <u>CHROME</u> | <u>< 3,000 ppm</u> | |
| <u>METAL: ARSENIC</u> | <u>< 500 ppm</u> | | <u>SILVER</u> | <u>< 3,000 ppm</u> | |
| <u>BARIUM</u> | <u>< 100 ppm</u> | | <u>FLUORIDE</u> | <u>< 1,000 ppm</u> | |
| <u>CADMIUM</u> | <u>< 500 ppm</u> | | | | |
| <u>LEAD</u> | <u>< 500 ppm</u> | | | | |
- TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%
12. OTHER: PCBs if yes, concentration _____ ppm, PCBs regulated by 40 CFR 781 ☐ Pyrophoric ☐ Explosive ☐ Radioactive ☐
Benzene if yes, concentration _____ ppm. Shock Sensitive ☐ Oxidizer ☐ Carcinogen ☐ Infectious ☐ Other _____
13. If the waste is subject to the land ban and meets the treatment standards, check here: _____ and supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid ☐ Bulk Liquid ☒ Drum ☐ Type/Size: _____ Other _____
15. ANTICIPATED ANNUAL VOLUME: 5,000 Units: gal Shipping Frequency: 3-4 TIMES / MONTH

SAMPLING INFORMATION

- 16a. Sample source (drum, lagoon, pond, tank, vat, etc.): TANK
- Date Sampled: APRIL 6, 1995 Sampler's Name/Company: KEVIN BERRY
- 16b. Generator's Agent Supervising Sampling: JOHN S. MAIER 17. ☐ No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature

Printed (or typed) name and title

Date

CWM Form 9000-1 replaces and is equivalent to the following forms: DWM-01, CWM-000, CWM 30-A-1 and CWM 40-B

PPE AS400 HANDLING CODES

**HANDLING
CODE**

PPE DESCRIPTION

RETURN TO:

Suril

| | | |
|----|----------------|--------------------------------|
| 61 | _____ | PVC BLACK GLOVES |
| 62 | <i>X</i> _____ | NBR GREEN GLOVES |
| 63 | _____ | NEO. GREY GLOVES |
| 64 | _____ | SARANEX |
| 65 | _____ | DUST-MIST CARTRIDGE; HEPA |
| 66 | _____ | ORGANIC ACID GAS CARTRIDGE |
| 67 | _____ | PESTICIDE DUST CARTRIDGE |
| 68 | <i>X</i> _____ | BARRICADE SUIT |
| 69 | _____ | TYVEK SUIT (INCLUDES PE TYVEK) |
| 70 | _____ | AMMONIA GAS CARTRIDGE |
| 71 | <i>X</i> _____ | FULL-FACE RESPIRATOR |
| 72 | <i>X</i> _____ | SUPPLIED AIR |
| 73 | _____ | HOOD |

WFS

The minimum PPE required on any profile is:

| | | |
|----|----------------|---------------------------------|
| 69 | _____ | TYVEK |
| 62 | _____ | NBR GREEN GLOVES |
| 71 | _____ | FULL-FACE RESPIRATOR |
| 66 | _____ | ORGANIC ACIDE GAS CARTRIDGE |
| | <i>X</i> _____ | INDEX/BLUE NITRILE (INNERGLOVE) |

INHALATION

3

DERMAL

3

INGESTION

3

AS400

RS6000

CONFIRMATION

Date 2/05/98
Time 8:09:20

Appendix L
WASTE MANAGEMENT DECISION

Page . . : 1

Location of Original MIDWEST REGIONAL LAB

I. Generator and Facility Information

Decision Site TRADE WASTE INCINERATI
Proposed Management Facility TRADE WASTE INCINERATI

*** This Decision is APPROVED

Tracking #: 4511516 Priority : 97
Profile # : CI5789 Date Received: 02/03/98
Effective Date: 02/04/98
Generator : PHILIP SERVICES CORP
Waste Category Code:
Description : CYANIDE MIXTURE SOLUTION

II. Decision to Deny Approval for Management of Waste

Reason for Denying Approval

Final Approval _____ Name (print) _____ Date _____

III. Decision to Approve

a) Approved Management Methods

Incineration

b) Precaution Conditions or Limitations on Approval

(1) Site Conditions

(2) Contracting Conditions

(3) Site and Contracting Conditions

- Bulk liquids: Material which cannot be
- Bulk shipments must be pumpable with a
a 1/8" screen.
- Notification & Certification form must
- DOT approved containers.
- Manifest.

- offloaded will be returned to the generator.
- centrifugal pump and solids must pass through
- A signed and completed Land Disposal
accompany each shipment. (copy enclosed)
- All shipments must be made using Illinois

c) Analytical Requirements for Each Load

MANDATORY ANALYSIS PER WAP

d) Decision Expiration Date 02/03/00

Initial Approval _____ Name (print) TODD THOMAS Date 02/04/98

IV. Final Decision

State any Additional Precautions, Conditions, or Limitations

Final Approval _____ Name (print) CAROLYN THIERFELDER Date 02/04/98

Date Printed 02/04/98

Chemical Waste Management, Inc.
Appendix L
GENERATOR'S WASTE PROFILE SHEETProfile #
TWI C15789

() Check here if this is a Recertification LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: PHILIP SERVICES CORP Generator USEPA ID: WAD000812909

2. Generator Address: 734 S LUCILE ST Billing Address: _____
(X) Same _____

SEATTLE WA 98108-2631

3. Technical Contact/Phone: TIM SMITH 253/627-7568

4. Alternate Contact/Phone: DAVE HAGUE 206/762-3362 Billing Contact/Phone: TIM SMITH 253/627-7568

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D006 D007 D008 D010 D011 F001
F002 F003 F004 F005 F006 F007 F008 F009 F011 F012 F019 F039 P106 State Waste Codes: 090001

8. Physical State @ 70F: A. Solid() Liquid(X) Both() Gas() B. Single Layer (X) Multilayer () C. Free liq. range 95 to 100%

9A. pH: Range 12.5 to 14.0 or Not applicable () B. Strong Odor ();describe _____

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|--|-------------------|------------------|
| <u>CYANIDE</u> | <u>0.1 to 10</u> | <u>%</u> |
| <u>WATER</u> | <u>50 to 99</u> | <u>%</u> |
| <u>METALS (IN SOLUTION): ARSENIC, BARIUM, CADMIUM,</u> | <u>0 to 15</u> | <u>%</u> |
| <u>LEAD, ZINC, CHROME, SILVER, SODIUM</u> | <u>to</u> | |
| <u>FLUORIDE</u> | <u>0 to 0.1</u> | <u>%</u> |
| <u>ORGANICS, REGULATED AND NON - REGULATED.</u> | <u>0 to 25</u> | <u>%</u> |
| <u>TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):</u> | <u>149.100000</u> | |

12. OTHER: PCBs if yes, concentration _____ ppm, PCBs regulated by 40 CFR 761 (). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. NESHA () Shock Sensitive () Oxidizer ()
Carcinogen (X) Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid () Bulk Liquid (X) Drum () Type/Size: TANK Other _____

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 4511516

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

NEIC VP0972 Signature

JOHN S. MAIER

Page 351 of 412

OPERATION MANAGER

Name and Title Veolia ES Technical Services
Sauget, Illinois

4/10/95

Date

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | C. APPLICABLE TREATMENT STANDARDS | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-----|---|---|---|---|---|
| | | | PERFORMANCE- BASED: Check as applicable | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | | | | |
| # | | DESCRIPTION | NONE | 268.41(a) 268.43(a) | 268.42 |
| 1 | D002 | Non-CWA, Non-Class I managed corrosive char. wastes | | | DEACT |
| 2 | D003 | REACTIVE CYANIDES | | | |
| 3 | D004 | | X | | |
| 4 | D006 | | X | | |
| 5 | D007 | | X | | |
| 6 | D008 | | X | | |
| 7 | D010 | | X | | |
| 8 | D011 | | X | | |
| 9 | F001 | | X | | INCIN |
| 10 | F002 | | X | | INCIN |
| 11 | F003 | | X | | INCIN |
| 12 | F004 | | X | | INCIN |
| 13 | F005 | | X | | INCIN |
| 14 | F006 | | X | | |
| 15 | F007 | | X | | |
| 16 | F008 | | X | | |
| 17 | F009 | | X | | |
| 18 | F011 | | X | | |
| 19 | F012 | | X | | |
| 20 | F019 | | X | | |
| 21 | F039 | | X | | |
| 22 | P106 | | X | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes, Soil: ☐ Yes, Debris: ☐22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each:

Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTALCyanides: None to Type (free, total, amenable, etc.) Sulfides: ≤ 3 to PPM Type TOTALOptional
Phenolics: ≤ 10 to PPM24. Identify the waste color BROWN, DOT physical state Liquid,
and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) |
|--|--|
| <p style="text-align: center;">TOTAL</p> <p>Beryllium as Be < 5000 ppm</p> <p>Potassium as K 10000 ppm</p> <p>Sodium as Na 88000 ppm</p> <p>Bromine as Br < 5 %</p> <p>Chlorine as Cl < 5 %</p> <p>Fluorine as F < 5 %</p> <p>Sulfur as S < 5 %</p> | <p style="text-align: center;">RANGE</p> <p>A. Heat Value (Btu/lb): 1- 2000</p> <p>B. Water: _____</p> <p>C. Viscosity (cps): _____ F 100 F 150 F</p> <p>D. Ash: _____ %</p> <p>E. Settleable solids: _____ %</p> <p>F. Vapor Pressure @ STP (mm/Hg): _____</p> <p>G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>H. Can this waste be heated to improve flow? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No ☐

B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

and Additional Description if required: (INORGANIC CYANIDE, ARSENIC)

RO(D004)

C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: II

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 1 Lb

E. Non-Bulk code 202 Bulk code 243

F. Special Provisions T42

G. Labels Required POISON CORROSIVE

28. SPECIAL HANDLING INFORMATION

INDEX/BLUE NITRILE INNER GLOVE; CARCINOGEN - ARSENIC, CADMIUM, LEAD

CONTAINS CYANIDES - DO NOT MIX W/PH <6; REACTIVE CLASS: E

☐ Material Safety Data Sheets Attached

29. OTHER INFORMATION

GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent. Use units: ppm, mg/l | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | |
|-----------------|---|--------------------------|---------------------|--------------|-----------|---|--------------------|---------------------|-----------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | | Actual |
| | | | | | | Less Than | Regulated Level | Equal or More | |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | | <200 ppm |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | | <200 ppm |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | | <200 ppm |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | | <200 ppm |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | | <100 ppm |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | <0.1 ppm |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | | <200 ppm |
| Nickel as Ni | | | | | | | 134 mg/l | | <200 ppm |
| Thallium as Tl | | | | | | X | 130 mg/l | | <200 ppm |
| Chromium Hex | | | | | | X | 500 mg/l | | |
| Antimony | | | | | | | | | <200 ppm |
| Beryllium | | | | | | | | | <200 ppm |
| Copper | | | | | | | | | |
| Vanadium | | | | | | | | | <200 ppm |
| Zinc | | | | | | | | | |
| Potassium | | | | | | | | | <2000 ppm |
| Sodium | | | | | | | | | 57800 ppm |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent: | | | | TCLP Data | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|---|--------------------|---------------------|--------------|---|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | TCLP Analytical Test Results Use units: ppm or mg/l | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| UHC Constituent | Management Method |
|----------------------------|-------------------|
| <u>Cyanides (Total)</u> | <u>A</u> |
| <u>Cyanides (Amenable)</u> | <u>A</u> |
| <u>Arsenic</u> | <u>A</u> |
| <u>Cadmium</u> | <u>A</u> |
| <u>Chromium (Total)</u> | <u>A</u> |
| <u>Lead</u> | <u>A</u> |
| <u>Selenium</u> | <u>A</u> |
| <u>Silver</u> | <u>A</u> |
| Solvent Constituent | Management Method |

Date Printed 02/04/98

Appendix L

Profile #
TWI CI5789

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
Master Profile No.: PTA-NC
Sales Office. . . : PTA
Location Orig. . . : PTA
Profile Expires . . : 2/03/00
Approved.
Signed Profile Present: Y Change Pending: N Waste Status: P
Site (DCS) Status: 1 REQ FOR DCS DOWNLOAD
Prof. Tracking No: 4511516

Fuels Approval.:
Pumpable Liquid Exact: % OR Range: - %
Type of Pump. . . :
Additional Anticipated Vol: Per: Unit Code/Des:

Handling Codes:

EPA Data: Status Code: C Tax Code. . :
Permit No: Expr. Date.: Volume. . . :
Certificate of Destruction or Disposal Required? Project # :
DOT Properties: Inhalation: Dermal: Oral: Flammable: Health:

Percent Taxable: No. of Labels. . . :
Tranship Dest. . : Download Generator: 1025022
Material Class.: DCS Generator #...: 5844030974
Treatment Codes: T07
Process Codes . . : DI 611
Schedule Category : SPAT
Schedule Interval :
Listed Solvent Waste: Hal. Org. Compounds.: RCRA Reactive. . . . :
Etibologic. Water Reactive . . . : Pesticide Mfg. Waste: :
Ignition Screen : Gas Evolution : Wet Zone :
Self-heating cube sz Vapor Concentration Boiling Point F
Is Gas Ignitable? Corrosive to Steel or Aluminum Organic Peroxide
Chemical Family Name

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | G | | | | |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | I | | | | |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment | Cat | Comment |
|-----|--|-----|---------------------------|
| CSR | REACTIVE CLASS: E | CSR | REVIEWED FOR PHASE II LDR |
| CSR | GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT | | |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|-------|
| WSTTP | B212 |
| FRMCD | 1 |
| TPCD1 | M041 |
| TW1AD | Y |

Appendix L

Date Printed 2/04/98

Profile Change History

Profile #
TWI CI5789

This section lists comments describing changes made to the profile.

| <u>Profile Change Comments</u> | <u>Date</u> | <u>User</u> |
|---|-------------|-------------|
| MRL/BP3414 Entire profile copied to MRL/CI5789 | 1/19/98 | WM0911TTT |
| / | 1/19/98 | WM0911TTT |
| TWI APPROVAL | 2/04/98 | WM0911TTT |
| MRL/CI5789 Entire profile copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| X | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Core Profile Info copied to TWI/CI5789 | 2/04/98 | WM0911TTT |
| MRL/CI5789 Change Log copied to TWI/CI5789 | 2/04/98 | WM0911TTT |

Date Printed 2/04/98

Schedule CategoriesProfile #
TWI C15789

| <u>Category</u> | <u>Description</u> | <u>Container</u> |
|-----------------|--------------------|------------------|
| SPAT | Direct Feed Liquid | Tank Trucks |

Pricing CommentsDisposal Price

- If off-gate PE required.
- If T & D bundled 40,000 pound minimum.

Transportation Price

- Load/Trip/Mile
- \$460 minimum transportation fee.
- \$100 per day tanker rental.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the customer to the disposal facility.

Demurrage

- \$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Tanker Rinseout & Heel Removal Fees:
 - \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
 - \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
 - \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
 - \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
- \$75.00 per drum for any overpacked material.
- Metal drums containing EPA P-waste codes will be surcharged as follows:
 - \$25.00 for 1 to 9 gallon drums.
 - \$50.00 for 10 to 29 gallon drums.
 - \$100.00 for 30 to 55 gallon drums.
- Discrepant material will be surcharged on a case-by-case basis.

Date Printed 02/03/98

Chemical Waste Management, Inc.
Appendix 1
GENERATOR'S WASTE PROFILE SHEETProfile #
MRL C15789

(-) Check here if this is a Recertification LOCATION OF ORIGINAL CWM, INC. - PORT ARTHUR

GENERAL INFORMATION

1. Generator Name: PHILIP SERVICES CORP Generator USEPA ID: WAD000812909

2. Generator Address: 734 S LUCILE ST Billing Address:
(X) Same

SEATTLE WA 98108-2631

3. Technical Contact/Phone: TIM SMITH 253/627-7568

4. Alternate Contact/Phone: DAVE HAGUE 206/762-3362 Billing Contact/Phone: TIM SMITH 253/627-7568

PROPERTIES AND COMPOSITION

5. Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

6. Waste Name: CYANIDE MIXTURE SOLUTION

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No (-)

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002 D003 D004 D006 D007 D008 D010 D011 F001
F002 F003 F004 F005 F006 F007 F008 F009 F011 F012 F019 F039 P106 State Waste Codes: _____

8. Physical State @ 70F: A. Solid(-) Liquid(X) Both(-) Gas(-) B. Single Layer (X) Multilayer (-) C. Free liq. range 95 to 100°

9A. pH: Range 12.5 to 14.0 or Not applicable (-) B. Strong Odor (-); describe _____

10. Liquid Flash Point: < 73F (-) 73-99F (-) 100-139F (-) 140-199F (-) >= 200F (X) N.A. (-) Closed Cup (X) Open Cup (-)

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|---|------------|------------------|
| CYANIDE | 0.1 to 10 | % |
| WATER | 60 to 99 | % |
| METALS (IN SOLUTION): ARSENIC, BARIUM, CADMIUM, | 0 to 15 | % |
| LEAD, ZINC, CHROME, SILVER, SODIUM | to | |
| FLUORIDE | 0 to 0.1 | % |
| ORGANICS, REGULATED AND NON - REGULATED. | 0 to 30 | % |
| TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): | 154.100000 | |

12. OTHER: PCBs if yes, concentration N _____ ppm, PCBs regulated by 40 CFR 761 (-). Pyrophoric (-) Explosive (-)
Radioactive (-) Benzene if yes, concentration _____ ppm. NESHAP (-) Shock Sensitive (-) Oxidizer (-)
Carcinogen (-) Infectious (-) Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (-) Bulk Liquid (X) Drum (-) Type/Size: TANK Other _____

15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS Shipping Frequency: WEEK

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____ Sample Tracking Number: 4511516

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. (-) No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

NEIC VP0972 Signature

JOHN S. MAIER

Page 371 of 412

OPERATION MANAGER

Name and Title

Veolia ES Technical Services
Sauget, Illinois

4/10/95

_____ HOCs, _____ PCBs, _____ Acid, A Metals, A Cyanides

| REF. | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|------|---|---|---|---|-----------|---|
| | | | PERFORMANCE- BASED: Check as applicable | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | | |
| | | | | 268.41(a) | 268.43(a) | |
| | | DESCRIPTION | NONE | | | |
| 1 | D002 | Non-CWA, Non-Class I managed corrosive char. wastes | | X | X | DEACT |
| 2 | D003 | REACTIVE CYANIDES | | | X | |
| 3 | D004 | | X | X | | |
| 4 | D006 | | X | X | | |
| 5 | D007 | | X | X | | |
| 6 | D008 | | X | X | | |
| 7 | D010 | | X | X | | |
| 8 | D011 | | X | X | | |
| 9 | F001 | | X | X | X | |
| 10 | F002 | | X | X | X | |
| 11 | F003 | | X | X | X | |
| 12 | F004 | | X | X | X | |
| 13 | F005 | | X | X | X | |
| 14 | F006 | | X | X | X | |
| 15 | F007 | | X | X | X | |
| 16 | F008 | | X | X | X | |
| 17 | F009 | | X | X | X | |
| 18 | F011 | | X | X | X | |
| 19 | F012 | | X | X | X | |
| 20 | F019 | | X | X | X | |
| 21 | F039 | | X | X | X | |
| 22 | P106 | | X | | X | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil or debris? No: ☒ Yes, Soil: ☐ Yes, Debris: ☐22. Specific Gravity Range: .800 to 1.400

23. Indicate the range of each:

Units

Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTALCyanides: None to Type (free, total, amenable, etc.) Sulfides: None to Type

Optional

Phenolics: None to 24. Identify the waste color brown, DOT physical state Liquid,
and physical appearance LOW VISCOSITY, TRANSLUCENT TO OPAQUE

| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) | |
|--|------------|--|-----------------|
| TOTAL | | RANGE | |
| Beryllium as Be | < 50 ppm | A. Heat Value (Btu/lb): | 1- 2000 |
| Potassium as K | 10000 ppm | B. Water: | |
| Sodium as Na | 88000 ppm | C. Viscosity (cps): | @ F 100 F 150 F |
| Bromine as Br | < 1 % | D. Ash: | % |
| Chlorine as Cl | < 1 to 1 % | E. Settleable solids: | % |
| Fluorine as F | < 1 % | F. Vapor Pressure @ STP (mm/Hg): | |
| Sulfur as S | < 1 to 1 % | G. Is this waste a pumpable liquid? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| | | H. Can this waste be heated to improve flow? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| | | I. Is this waste soluble in water? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| | | J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No ☐B. Proper Shipping Name. : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.Sand Additional Description if required: (INORGANIC CYANIDE, SODIUM SALTS)C. DOT Regulations: United Nations Hazard Class: 6.1 Poisonous materials I.D. UN2927 Packing Group: II

D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): _____

E. Non-Bulk code 202 Bulk code 243F. Special Provisions T12 _____G. Labels Required POISON CORROSIVE

28. SPECIAL HANDLING INFORMATION

ASH CONTENT: 0 - 20% H2O: 60 - 95 % CARCINOGENS: AS, INORGANIC, CADMIUM AND LEAD.* PURSUANT TO 40 CFR 82.13 (K), CWM IS NOTIFYING THE WASTE GENERATORTHAT ANY CLASS I CONTROLLED SUBSTANCES WHICH MAY BE INCLUDED IN THISWASTE WILL BE DESTROYED WITHIN 1 YEAR OF RECEIPT AT CWM-PORT ARTHUR.Material Safety Data Sheets Attached

29. OTHER INFORMATION

ALL METALLIC COMPOUNDS PRESENT IN THE WASTE AT OR ABOVE 1% ARE LISTED UNDER SECTION 11 OF THIS
PROFILE.BASED UPON GENERATOR'S KNOWLEDGE:1) THIS WASTE DOES NOT CONTAIN ANY COMPRESSED GASES NOR ANY MUNICIPAL GARBAGE.2) THIS WASTE DOES NOT CONTAIN t-BUTYL MERCAPTAN AT OR ABOVE 5,000 PPM.

29. OTHER INFORMATION (continued)

* THE CWM DEVELOPED ANALYTICAL INFORMATION IN THIS PROFILE FOLLOWS THE ANALYTICAL AND QA/QC
METHODOLOGIES PRESCRIBED BY THE FACILITY'S WAP.

* THIS WASTE CONTAINS NO BENZENE AS A CONSTITUENT OF EITHER THE TREATMENT STANDARD FOR F005 AND/OR
F039 AND IS THEREFORE NOT SUBJECT TO NESHAP FOR BENZENE.

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| METALS | TCLP Information: Check only ONE for each constituent: Use units: ppm, mg/l | | | | TCLP Data TCLP Actual | TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent | | | |
|-----------------|---|--------------------------|---------------------|--------------|---------------------------------|---|--------------------|---------------------|-----------|
| | Less Than | TC Regulated Level | Equal or More | Waste No. | | California List | | | Actual |
| | | | | | | Less Than | Regulated Level | Equal or More | |
| Arsenic as As | | 5.0 mg/l | X | D004 | | | 500 mg/l | | <200 ppm |
| Barium as Ba | | 100.0 mg/l | X | D005 | | | | | <200 ppm |
| Cadmium as Cd | | 1.0 mg/l | X | D006 | | | 100 mg/l | | <200 ppm |
| Chromium tot Cr | | 5.0 mg/l | X | D007 | | | | | <200 ppm |
| Lead as Pb | | 5.0 mg/l | X | D008 | | | 500 mg/l | | <100 ppm |
| Mercury as Hg | X | .2 mg/l | | D009 | | | 20 mg/l | | <0.1 ppm |
| Selenium as Se | X | 1.0 mg/l | | D010 | | X | 100 mg/l | | |
| Silver as Ag | | 5.0 mg/l | X | D011 | | | | | <200 ppm |
| Nickel as Ni | | | | | | | 134 mg/l | | <200 ppm |
| Thallium as Tl | | | | | | X | 130 mg/l | | <200 ppm |
| Chromium Hex | | | | | | X | 500 mg/l | | |
| Antimony | | | | | | | | | <200 ppm |
| Beryllium | | | | | | | | | <200 ppm |
| Copper | | | | | | | | | |
| Vanadium | | | | | | | | | <200 ppm |
| Zinc | | | | | | | | | |
| Potassium | | | | | | | | | <2000 ppm |
| Sodium | | | | | | | | | 57800 ppm |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

| ORGANICS | TCLP Information: Check only ONE for each constituent | | | | TCLP Data TCLP Analytical Test Results Use units: ppm or mg/l | TCA or TOTAL Use units: ppm, mg/l or % |
|--------------------------|--|--------------------|---------------------|--------------|--|---|
| | Less Than | Regulated Level | Equal or More | Waste No. | | |
| Benzene | X | 0.5 mg/l | | D018 | | |
| Carbon Tetrachloride | X | 0.5 mg/l | | D019 | | |
| Chlordane | X | 0.03 mg/l | | D020 | | |
| Chlorobenzene | X | 100.0 mg/l | | D021 | | |
| Chloroform | X | 6.0 mg/l | | D022 | | |
| m-Cresol | X | 200 mg/l | | D024 | | |
| o-Cresol | X | 200.0 mg/l | | D023 | | |
| p-Cresol | X | 200.0 mg/l | | D025 | | |
| Cresol | X | 200.0 mg/l | | D026 | | |
| 2,4-D | X | 10.0 mg/l | | D016 | | |
| 1,4 Dichlorobenzene | X | 7.5 mg/l | | D027 | | |
| 1,2-Dichloroethane | X | 0.5 mg/l | | D028 | | |
| 1,1-Dichloroethylene | X | 0.7 mg/l | | D029 | | |
| 2,4-Dinitrotoluene | X | 0.13 mg/l | | D030 | | |
| Endrin | X | .02 mg/l | | D012 | | |
| Heptachlor, & Hydroxide | X | 0.008 mg/l | | D031 | | |
| Hexachloro-1,3 Butadiene | X | 0.5 mg/l | | D033 | | |
| Hexachlorobenzene | X | 0.13 mg/l | | D032 | | |
| Hexachloroethane | X | 3.0 mg/l | | D034 | | |
| Lindane | X | 0.4 mg/l | | D013 | | |
| Methoxychlor | X | 10.0 mg/l | | D014 | | |
| Methyl Ethyl Ketone | X | 200.0 mg/l | | D035 | | |
| Nitrobenzene | X | 2.0 mg/l | | D036 | | |
| Pentachlorophenol | X | 100.0 mg/l | | D037 | | |
| Pyridine | X | 5.0 mg/l | | D038 | | |
| Tetrachloroethylene | X | 0.7 mg/l | | D039 | | |
| Toxaphene | X | 0.5 mg/l | | D015 | | |
| 2,4,5-TP Silvex | X | 1.0 mg/l | | D017 | | |
| Trichloroethylene | X | 0.5 mg/l | | D040 | | |
| 2,4,5-Trichlorophenol | X | 400.0 mg/l | | D041 | | |
| 2,4,6-Trichlorophenol | X | 2.0 mg/l | | D042 | | |
| Vinyl Chloride | X | 0.2 mg/l | | D043 | | |
| | | | | | | |
| | | | | | | |

Date Printed 02/03/98

Profile #
MRL C15789

| UHC Constituent | Management Method |
|----------------------------|-------------------|
| <u>Cyanides (Total)</u> | <u>A</u> |
| <u>Cyanides (Amenable)</u> | <u>A</u> |
| <u>Arsenic</u> | <u>A</u> |
| <u>Cadmium</u> | <u>A</u> |
| <u>Chromium (Total)</u> | <u>A</u> |
| <u>Lead</u> | <u>A</u> |
| <u>Selenium</u> | <u>A</u> |
| Solvent Constituent | Management Method |

Date Printed 02/03/98

Profile #
MRL CI5789

MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL
 Master Profile No.: PTA-NC
 Sales Office: . . . : PTA
 Location Orig. . . : PTA
 Profile Expires . . : _____
 Approved. : _____
 Signed Profile Present: Y Change Pending: N Waste Status: P
 Site (DCS) Status: 1 Approved
 Prof. Tracking No: 4511516

Fuels Approval.: _____
 Pumpable Liquid Exact: ____ % OR Range: ____ - ____ %
 Type of Pump. . . : _____
 Additional Anticipated Vol: _____ Per: ____ Unit Code/Des: _____

Handling Codes: M LEVEL C w/NITRILE GLOVES 01 ACID/ORGANIC
02 POLY TYVEK 07 Contains Cyanide
03 AVOID SKIN CONTACT 14 BULK

EPA Data: Status Code: C Tax Code. . . : _____
 Permit No: _____ Expr. Date.: _____ Volume. . . : _____
 Certificate of Destruction or Disposal Required? Project # : _____
 DOT Properties: Inhalation: 4 Dermal: 3 Oral: 4 Flammable: 1 Health: 4

Percent Taxable: _____ No. of Labels. . . : _____
 Tranship Best . . : _____ Download Generator: T025022
 Material Class.: 0 DCS Generator #...: 999999999
 Treatment Codes: T07 _____
 Process Codes . . : DI _____
 Schedule Category : _____
 Schedule Interval : _____
 Listed Solvent Waste: _____ Hal. Org. Compounds.: _____ RCRA Reactive. . . . : _____
 Etiologic. : _____ Water Reactive . . . : _____ Pesticide Mfg. Waste: _____
 Ignition Screen : _____ Gas Evolution : _____ Wet None : _____
 Self-heating cube sz _____ Vapor Concentration _____ Boiling Point F _____
 Is Gas Ignitable? _____ Corrosive to Steel or Aluminum _____ Organic Peroxide _____
 Chemical Family Name _____

GENERATOR FROM PAGE 1

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | G | | | | |

ADDITIONAL BUSINESSES

| Business Name | USEPA ID | Rltn | Contract in Place | at | Expires on | Evergreen Contract |
|----------------------|--------------|------|-------------------|----|------------|--------------------|
| PHILIP SERVICES CORP | WAD000812909 | I | | | | |

ADDITIONAL PROFILE COMMENTS

| Cat | Comment |
|-----|-----------------------------------|
| PSC | FGPT: TOTAL SODIUM CONTENT |
| PSC | COMPATABILITY GROUP # 4 (WHITE) |
| PSC | DO NOT MIX WITH LOW pH MATERIALS. |
| PSC | CC CONTROLS NOT REQUIRED. |
| PSC | CODES AS MANIFESTED. |
| PSC | CAUTION: CONTAINS CYANIDES[] |
| PSC | (GEN) APPROVED FOR PORT ARTHUR |

SUPPLEMENTAL FIELDS

| Field | Value |
|-------|----------|
| STW12 | 99906 |
| STW1D | OUTS107H |
| APBL | HOU |
| APFEE | 05 |

Date Printed 2/03/98Profile Change HistoryProfile #
MRL CI5789

This section lists comments describing changes made to the profile.

| <u>Profile Change Comments</u> | <u>Date</u> | <u>User</u> |
|--|-------------|-------------|
| MRL/BP3414 Entire profile copied to MRL/CI5789 | 1/19/98 | WM0346DMM |
| / | 1/19/98 | WM0346DMM |

Appendix L

Appendix L

Date 2/03/98
Time 13:21:42

WAR

Page . . . : 1
Program . . : R7004RPT
User . . . : WM0911RDS

Report: 7004

Version: 4A.00

This Report is intended for the use and benefit of Waste Management and its companies. No representation concerning significance of the reported data is made to any other person or entity.

Tracking Number : 4510529 Profile : CI5789
Site Name . . . : MIDWEST REGIONAL LAB Generator Name . . : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received . . : 1/19/98
Priority Code . . : Approved : Y 1/22/98

FINGERPRINT

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|----------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| INCIDENTAL ODOR | | 01 | none | | 1/21/98 | OAI |
| LAYERS | | 01 | 1 | | 1/21/98 | OAI |
| PERCENT FREE LIQUIDS | | 01 | 100 | % | 1/21/98 | OAI |
| COLOR | | 01 | brown | | 1/21/98 | OAI |
| PHYSICAL STATE | | 01 | liquid | | 1/21/98 | OAI |
| WATER SOLUBILITY | | 01 | soluble | | 1/21/98 | OAI |
| TURBIDITY | | 01 | translucent | | 1/21/98 | OAI |
| VISCOSITY | | 01 | low | | 1/21/98 | OAI |
| CYANIDE SCREEN | | 01 | positive | | 1/21/98 | OAI |
| OXIDIZER SCREEN | | 01 | negative | | 1/21/98 | OAI |
| FLAM. POTENTIAL | | 01 | negative | | 1/21/98 | OAI |
| SULFIDE SCREEN | | 01 | negative | | 1/21/98 | OAI |
| RADIATION SCREEN | | 01 | background | | 1/21/98 | OAI |
| DENSITY | | 01 | 1.1358 | | 1/21/98 | REC |
| pH BY PAPER | | 01 | 13 | Std Unit | 1/21/98 | OAI |
| WATER REACTIVITY | | 01 | negative | | 1/21/98 | OAI |

PCBS

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| AROCLOR 1016 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1221 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1232 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1242 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1248 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1254 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |
| AROCLOR 1260 | PCBS | 01 < | 5.2 | PPM | 1/21/98 | RXD |

SPECTROSCOPY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| SILVER - TOTAL | | 01 < | 20 | PPM | 1/22/98 | RJK |

ARSENIC - TOTAL
BARIUM - TOTAL
BERYLLIUM - TOTAL

01 < 200
01 < 200
01 < 200

PPM
PPM
PPM

Appendix

1/22/98
1/22/98

RJK
RJK
RJK

Appendix L

Date 2/03/98
Time 13:21:42

WAR

Page . . . : 2
Program . . : R7004RPT
User . . . : WM0911RDS

Report: 7004

Version: 4A.00

Tracking Number : 4510529 Profile : CI5789
Site Name . . . : MIDWEST REGIONAL LAB Generator Name : PHILIP SERVICES CORP
Waste Description : CYANIDE MIXTURE SOLUTION Date Received : 1/19/98
Priority Code : Approved : Y 1/22/98

SPECTROSCOPY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|-------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| CADMIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| CHROMIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| MERCURY - TOTAL | | 01 < | 0.100 | PPM | 1/22/98 | RJK |
| POTASSIUM - TOTAL | | 01 < | 2000 | PPM | 1/22/98 | RJK |
| SODIUM - TOTAL | | 01 | 57800 | PPM | 1/22/98 | RJK |
| NICKEL - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| LEAD - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| ANTIMONY - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| THALLIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |
| VANADIUM - TOTAL | | 01 < | 200 | PPM | 1/22/98 | RJK |

WET CHEMISTRY

| Test Description | Ext. Procedure | L # | Test Result | Unit Desc. | Date Analyzed | Lab Tech |
|--------------------------|-------------------|--------|----------------|---------------|------------------|-------------|
| HEATING VALUE | | 01 < | 450 | BTU/LB | 1/21/98 | REC |
| SULFUR, AS S (TOTAL) | CWM 92-40 | 01 < | 0.1 | % | 1/21/98 | REC |
| ASH CONTENT, ON IGNITION | CWM 92-69 | 01 | 11.2 | % | 1/21/98 | REC |
| TOTAL ORGANIC CONTENT | | 01 | 29 | % | 1/21/98 | REC |
| BROMINE | | 01 < | 0.1 | % | 1/21/98 | REC |
| FLUORINE | | 01 < | 0.1 | % | 1/21/98 | REC |
| CHLORINE | | 01 | 0.874 | % | 1/21/98 | REC |
| SCRUB ACIDITY | | 01 | 0.001 | gNaO/gSx | 1/21/98 | REC |
| WATER CONTENT | ASTM E203 | 01 | 60.4 | % | 1/21/98 | REC |

Comments:

RETURN COMPLETED ANALYSIS TO PTA APPROVALS DEPT.
FLASH POINT NEEDS TO BE RUN FOR TWI APPROVALS.

CERTIFICATION: The analytical results in this report are intended solely to assist the client named herein in characterizing waste materials. Any other use is at the user's risk and Chemical Waste Management, Inc. shall assume no liability beyond the stated purpose of the data herein contained. The 'stated purpose' may include waste approval determination and/or the analysis of an unknown material.

Approval: _____

Lab Managers Name: _____

TWI LABORATORY ANALYSIS REPORT

TRACKING #: 4544887 PRIORITY: 97
 PROFILE #: C15789 DATE RECD: 10/21/99
 GENERATOR: PHILIP SERVICES CORP
 WASTE CATEGORY CODE:
 DESCRIPT: CYANIDE MIXTURE SOLUTION **TW1**

PROCESS CODE BLLPROFILE # C15789

- () PCB ANALYSIS REQUIRED
 () LAB: RECERT ANALYSIS REQUIRED-SEE REQUIRED CMTS BELOW
 (X) DIOXIN PRECURSOR ANALYSIS REQUIRED
 () VISUAL INSPECTION ONLY 5% 100%
 () VISUAL INSPECTION: GLOVE BOX/HOODED FEEDER
 () INSPECT OUTER DRUM ONLY - DO NOT OPEN - CMTS BELOW
 () RECEIVING: VERIFY ORIGINAL CONSUMER LABEL AND
 WRITE LABEL INFO ON PDW
 () DECANT SAMPLE REQUIRED
 (X) SAMPLE REQUIRED

RECEIVER #: _____

MANIFEST#: _____

No. DRUMS: _____

DATE: _____

SAMPLER SIGN: _____

DRUM STORAGE COMPATABILITY

Profiled DOT Hazard Class 6.1

P=PASS F=FAIL

8A _____ 8B _____ 4/5 _____

| SAMPLE NUMBER | | Drum No. | | Free Liquid (%) | | Pumpable | | Layers/Phases -% Ea. | | Color | | Turbidity | | Viscosity | | Physical State | | Water Miscibility | | Add. Description: | | PROFILE | CONFORMS | DATE | INIT | |
|---------------|--|----------|--|-----------------|--|----------|----|----------------------|--|-------|--|-----------|--|-----------|--|----------------|--|-------------------|--|-------------------|--|---------|----------|------|------|--|
| | | | | | | YES | NO | | | | | | | | | | | | | | | | YES | NO | | |
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CONFIRMATION LETTER

May 31, 2001

Rec Room Copy

KEN ALLEN
PHILIP SERVICES CORP
20245 77TH AVE S
KENT, WA 98032-1362

Re: Confirmation Number 4560606

Attention: KEN ALLEN

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

| | |
|---------------------------------|--|
| <u>ONYX Profile Number:</u> | CI5789 TWI |
| <u>Approved Mgmt. Facility:</u> | TRADE WASTE INCINERATION or another ONYX or ONYX approved facility |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Disposal Price:</u> | <ul style="list-style-type: none">- Revised Pricing Effective June 1, 2001 due to processing restraints of sodium content:- \$0.20 per pound, \$2000.00 minimum per shipment- \$0.03 per gallon Illinois State Fees- All Pricing Conditions remain unchanged as listed in "Pricing Conditions".- Price Prior to June 1, 2001:- \$0.15 per pound, \$2000.00 minimum per shipment applies.- \$0.03 per gallon Illinois State fees. |
| <u>Transportation Price:</u> | <ul style="list-style-type: none">- Customer to provide own transportation.- Direct inject tankers may incur additional cost.- Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility. |
| <u>Demurrage:</u> | - N/A, Customer to provide own transportation. |
| <u>Waste Approval Fees:</u> | - Recert approval, no charge. |

May 31, 2001

Re: Confirmation Number 4560606

Pricing Conditions:

- Characterization & unknowns are priced upon request.
- Tanker Rinseout & Heel Removal Fees:
 - \$500.00 Aqueous Rinseout (no solids) plus cost of solvent used.
 - \$1000.00 rinseout fee with <50 gallons of rinsable solids plus cost of solvent used.
 - \$1000.00 fee for "P" code Triple rinseout plus cost of solvent used.
 - \$1000.00 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of >50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.
- See attached copy of Waste Profile Sheet for approved/acceptable waste codes. Only approved waste codes as listed should be shipped.
- Per customer "P-Code" may or may not apply with each particular shipment. When manifested and shipped as "P-Listed Material" a "P-Listed Triple Rinse shall apply. Customer agrees to Triple Rinse charges.

Profile Expiration Date:

1/26/03

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the

May 31, 2001

Re: Confirmation Number 4560606

terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Suzie McCoy

Onyx Environmental Services, LLC

CONFIRMATION LETTER

May 31, 2001

GARY CRUEGER
 PHILIP SERVICES CORP
 20245 77TH AVE S
 KENT, WA 98032-1362

Rec Room Copy

Re: Confirmation Number 4560606

Attention: GARY CRUEGER

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

| | |
|---------------------------------|--|
| <u>ONYX Profile Number:</u> | CI5789 TWI |
| <u>Approved Mgmt. Facility:</u> | TRADE WASTE INCINERATION or another ONYX or ONYX approved facility |
| <u>Waste Name:</u> | CYANIDE MIXTURE SOLUTION |
| <u>Disposal Method:</u> | Incineration |
| <u>Disposal Price:</u> | <ul style="list-style-type: none"> - Revised Pricing Effective June 1, 2001 due to processing restraints of sodium content: - \$0.20 per pound, \$2000.00 minimum per shipment - \$0.03 per gallon Illinois State Fees - All Pricing Conditions remain unchanged as listed in "Pricing Conditions". - Price Prior to June 1, 2001: - \$0.15 per pound, \$2000.00 minimum per shipment applies. - \$0.03 per gallon Illinois State fees. |
| <u>Transportation Price:</u> | <ul style="list-style-type: none"> - Customer to provide own transportation. - Direct inject tankers may incur additional cost. - Cancelled loads require 48-hour notice or they will be billed at the regular trip rate. - Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility. |
| <u>Demurrage:</u> | - N/A, Customer to provide own transportation. |
| <u>Waste Approval Fees:</u> | - Recert approval, no charge. |

May 31, 2001

Re: Confirmation Number 4560606

- Characterization & unknowns are priced upon request.

Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:
- \$500.00 Aqueous Rinseout (no solids) plus cost of solvent used.
- \$1000.00 rinseout fee with <50 gallons of rinsable solids plus cost of solvent used.
- \$1000.00 fee for "P" code Triple rinseout plus cost of solvent used.
- \$1000.00 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of >50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.
- See attached copy of Waste Profile Sheet for approved/acceptable waste codes. Only approved waste codes as listed should be shipped.
- Per customer "P-Code" may or may not apply with each particular shipment. When manifested and shipped as "P-Listed Material" a "P-Listed Triple Rinse" shall apply. Customer agrees to Triple Rinse charges.

Profile Expiration Date:

1/26/03

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the

May 31, 2001

Re: Confirmation Number 4560606

terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Suzie McCoy

Onyx Environmental Services, LLC

